



Model List for NovAtel

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All prices shown are in U.S. dollars and F.C.A NovAtel Calgary. Prices outside of North America may vary due to importation tariffs and costs.

All prices, product descriptions, specifications, and models are subject to changes without notice. A complete summary of NovAtel's Standard Terms and Conditions is available upon request.

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GNSS Receiver Cards

NovAtel GNSS receiver cards offer world-class GNSS measurements and positioning accuracy. Scalable performance options make these receivers usable for a wide range of applications.

OEM7® Receivers

The OEM7 receiver family includes the following hardware platforms: OEM7700, OEM7720, OEM719, OEM729. Those product lines can all support L-band delivered corrections from TerraStar. Firmware options include: NovAtel CORRECT™ RTK, Precise Point Positioning (PPP), ALIGN®, SPAN®. PPP capability is included free of charge on all RTK capable models. PPP enabled models have a maximum measurement and position rate of 20 Hz. DGPS, SBAS, RAIM, and GLIDE® are included standard on all models. OEM7 receiver models intended to be used as base station receivers must have RTK Tx functionality enabled. RTK rover models should always have the RTK Tx functionality enabled.

NOTE: Appendix 1 - Software Part Number Description contains details of the location and meaning of the options in the receiver software model name.

OEM7720 Series

The OEM7720 receiver includes a high vibration oscillator on all cards.

OEM7720 Card

Card

Dual-Frequency

OEM7720-CDD-RYN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-CDD-RZN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-CDN-LNN-TMN	GPS+GLO+BDS, L1/L2/B1/B2, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7720-DDD-LNN-TBE	GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7720-DDD-LZN-CMN	GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 100 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7720-DDD-LZN-TBN	GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-DDD-LZN-TME	GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
OEM7720-DDD-LZN-TMN	GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7720-DDD-LZN-TNN	GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM7720-DDD-PZN-TMN	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7720-DDD-PZN-TNN	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM7720-DDD-RYN-CBE	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7720-DDD-RYN-TBN	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-DDD-RZN-CBN	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 100 Hz Data Output Rate, Base Station Corrections + Measurements

OEM7720-DDD-RZN-TBE	OEM7720, GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7720-DDD-RZN-TBN	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-DDN-LNN-TMN	GPS+GLO, L1/L2, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7720-DDN-LNN-TNN	GPS+GLO, L1/L2, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM7720-DDN-PNN-TBN	GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-DDN-RNN-CBN	GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-DDN-RNN-TBN	GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-DDN-RYN-TBN	GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-FDD-LNN-TBE	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7720-FDD-LNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-FDD-LZN-TMN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7720-FDD-LZN-TNN	OEM7720, GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM7720-FDD-PNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-FDD-PZN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-FDD-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-FDD-RYN-TBE	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7720-FDD-RYN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-FDD-RZN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-FDN-LNN-TNN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM7720-GDD-LZN-TBN	GPS, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-GDD-LZN-TNN	GPS, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM7720-GDD-RYN-TBE	GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7720-GDD-RYN-TBN	GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements

OEM7720-GDD-RZN-CBN	GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-GDD-RZN-TBN	GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-GDN-LNN-TNN	GPS, L1/L2, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM7720-TDD-RYN-TBN	OEM7720, GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-TDD-RZN-TBN	GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-WDD-LZN-TMN	OEM7720, GPS+GAL, L1/L2/E1/E5b, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections

Single-Frequency

OEM7720-CSN-LNN-TBN	GPS+GLO+BDS, L1/E1/B1, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7720-DSN-LNN-TNN	GPS+GLO, L1, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM7720-GSN-LNN-TMN	GPS, L1, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7720-GSN-LNN-TNN	GPS, L1, Single Antenna Activation, Single Point+DGPS PNT, 20 Hz Data Output Rate

Warranty

EW-1-T-OEM7720	One-year extended warranty for OEM7720 cards for purchase at time of sale.
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OEM7700 Series

The OEM7700 receiver includes a high vibration oscillator on all cards.

OEM7700 Card

Card

Triple-Frequency

OEM7700-CFN-RNN-TBN	GPS+GLO+BDS, L1/L2/L5/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DFN-LNN-TBN	GPS+GLO, L1/L2/L3/L5, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DFN-LNN-TMN	GPS+GLO, L1/L2/L3/L5, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-DFN-RNN-TBN	GPS+GLO, L1/L2/L3/L5, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-FFN-LNN-TBE	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7700-FFN-LNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-FFN-RNN-CBE	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7700-FFN-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

OEM7700-TFN-LNN-TBN	GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-TFN-LNN-TME	GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
OEM7700-TFN-LNN-TMN	GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-TFN-RNN-TBN	GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-WFN-LNN-TMN	GPS+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
Dual-Frequency	
OEM7700-CDN-LNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-CDN-LNN-TMN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-CDN-LYN-TNN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate
OEM7700-CDN-NZN-NNN	GPS+GLO+BDS, L1/L2/B1/B2, ALIGN Heading
OEM7700-CDN-PNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-CDN-PNN-TMN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-CDN-RNN-CBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-CDN-RNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-CDN-RYN-CBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DDN-LNN-TBE	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7700-DDN-LNN-TBN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DDN-LNN-TMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-DDN-LYN-TNN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate
OEM7700-DDN-LZN-CMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 100 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-DDN-LZN-TNN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM7700-DDN-NZN-NNN	GPS+GLO, L1/L2, No Positioning, ALIGN Heading
OEM7700-DDN-PNN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DDN-PNN-TMN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-DDN-RNN-CBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements

OEM7700-DDN-RNN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DDN-RYN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DDN-RZN-CBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-FDN-LNN-TMN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-FDN-PNN-TMN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-FDN-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-GDN-LNN-CBN	GPS, L1/L2, Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-GDN-LNN-TBE	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7700-GDN-LNN-TBN	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-GDN-LNN-TMN	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-GDN-PNN-TBN	GPS, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-GDN-RNN-TBN	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-PDN-LNN-TBN	GPS+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-WDN-LNN-TMN	GPS+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-WDN-LZN-TMN	GPS+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
Single-Frequency	
OEM7700-CSN-LNN-TMN	GPS+GLO+BDS, L1/E1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-DSN-LNN-CBN	GPS+GLO, L1, Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DSN-LNN-TBE	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7700-DSN-LNN-TBN	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-DSN-LNN-TNN	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM7700-FSN-LNN-TBE	GPS+GLO+GAL+BDS, L1/E1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM7700-FSN-LNN-TBN	GPS+GLO+GAL+BDS, L1/E1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-FSN-LNN-TMN	GPS+GLO+GAL+BDS, L1/E1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-GSN-LNN-TBE	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

OEM7700-GSN-LNN-TBN	GPS, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7700-GSN-LNN-TMN	GPS, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7700-GSN-LNN-TNN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM7700-WSN-LNN-TNN	GPS+GAL, L1/E1, Single Point+DGPS PNT, 20 Hz Data Output Rate

Other

01019750	7mm Mounting Rails for OEM719/OEM7700/OEM7720
01019751	10mm Mounting Rails for OEM719/OEM7000/OEM7720
01019752	12mm Mounting Rails for OEM719/OEM7700/OEM7720

Warranty

EW-1-T-OEM7700	One-year extended warranty for OEM7700 cards for purchase at time of sale.
EW-2-T-OEM7700	Two-year extended warranty for OEM7700 cards for purchase at time of sale.
EW-3-T-OEM7700	Three-year extended warranty for OEM7700 cards for purchase at time of sale.

OEM7600 Series**OEM7600 Card****Card****Dual-Frequency**

OEM7600-CDN-LNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-CDN-PNN-TMN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7600-CDN-RNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-DDN-LNN-TBN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-DDN-PNN-TMN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7600-DDN-RNN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-FDN-LNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-FDN-PNN-TMN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7600-FDN-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-GDN-LNN-TBN	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-GDN-RNN-TBN	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-TDN-LNN-TBN	GPS+GLO+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

OEM7600-TDN-RNN-TBN	GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM7600-WDN-RNN-TBN	GPS+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
Single-Frequency	
OEM7600-DSN-LNN-TMN	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7600-GSN-LNN-TMN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM7600-GSN-LNN-TNN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate

OEM719 Series

The OEM719 receiver includes a high vibration oscillator on all cards.

OEM719 Card

Card

Triple-Frequency

OEM719-CFN-RNN-TBN	GPS+GLO+BDS, L1/L2/L5/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DFN-NZN-NNN	GPS+GLO, L1/L2/L3/L5, No Positioning, ALIGN Heading
OEM719-DFN-RNN-TBN	GPS+GLO, L1/L2/L3/L5, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-FFN-LNN-TBE	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-FFN-LNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-FFN-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-GFN-LNN-TMN	GPS, L1/L2/L5, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-TFN-LNN-TBN	GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-WFN-LNN-TMN	GPS+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections

Dual-Frequency

OEM719-CDN-LYN-TNN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate
OEM719-CDN-PNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-CDN-RNN-CBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-CDN-RNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-LNN-CMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 100 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-DDN-LNN-TBE	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

OEM719-DDN-LNN-TBN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-LNN-TMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-DDN-LNN-TNN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM719-DDN-LYN-CMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-DDN-LYN-TBN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-LYN-TMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-DDN-LYN-TNN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate
OEM719-DDN-LZN-TBN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-LZN-TNN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM719-DDN-NZN-NNN	GPS+GLO, L1/L2, No Positioning, ALIGN Heading
OEM719-DDN-PNN-CMN	OEM719, GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-DDN-PNN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-PNN-TMN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-DDN-PNN-TNE	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Interference Mitigation
OEM719-DDN-PNN-TNN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM719-DDN-PYN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-PZN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-RNN-CBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-RNN-TBE	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-DDN-RNN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-RYN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-DDN-RZN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-FDN-NZN-NNN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, ALIGN Heading
OEM719-FDN-RNN-TBE	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

OEM719-FDN-RYN-CBE	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-GDN-LNN-TBE	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-GDN-LNN-TBN	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-GDN-LNN-TMN	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-GDN-LZN-TNN	GPS, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM719-GDN-PNN-TBN	GPS, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-GDN-RNN-CBN	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-GDN-RNN-TBN	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-GDN-RYN-TBN	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-PDN-LYN-TMN	GPS+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-PDN-RNN-TBN	GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-TDN-LNN-TBN	OEM719, GPS+GLO+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-TDN-LNN-TMN	GPS+GLO+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-TDN-RYN-CBE	GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-TDN-RYN-TBN	OEM719, GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-WDN-LNN-TBN	GPS+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-WDN-LNN-TMN	GPS+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-WDN-RYN-TBE	OEM719, GPS+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-WDN-RYN-TBN	OEM719, GPS+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
Single-Frequency	
OEM719-DSN-LNN-CNN	GPS+GLO, L1, Single Point+DGPS PNT, 100 Hz Data Output Rate
OEM719-DSN-LNN-TBE	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-DSN-LNN-TNN	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM719-FSN-LNN-CBE	GPS+GLO+GAL+BDS, L1/E1/B1, Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

OEM719-FSN-LNN-TBE	GPS+GLO+GAL+BDS, L1/E1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-GSN-LNN-CNN	GPS, L1, Single Point+DGPS PNT, 100 Hz Data Output Rate
OEM719-GSN-LNN-TBE	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM719-GSN-LNN-TBN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-GSN-LNN-TMN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-GSN-LNN-TNN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM719-PSN-LNN-TMN	GPS+BDS, L1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719-PSN-LNN-TNN	GPS+BDS, L1B1, Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM719-TSN-LNN-TBN	GPS+GLO+GAL, L1/E1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719-TSN-LNN-TME	GPS+GLO+GAL, L1/E1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
OEM719-TSN-LNN-TMN	GPS+GLO+GAL, L1/E1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections

Other

01019750	7mm Mounting Rails for OEM719/OEM7700/OEM7720
01019751	10mm Mounting Rails for OEM719/OEM7000/OEM7720
01019752	12mm Mounting Rails for OEM719/OEM7700/OEM7720

Warranty

EW-1-T-OEM719	One-year extended warranty for OEM719 cards for purchase at time of sale.
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OEM719C Card**Card****Single-Frequency**

OEM719C-DSN-LNN-TBN	Conformal coated OEM719. GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719C-GSN-LNN-TNN	Conformal coated OEM719. GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate

OEM719A Card**Card****Triple-Frequency**

OEM719A-FFN-LNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719A-FFN-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

Dual-Frequency

OEM719A-DDN-LNN-TMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
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OEM719A-DDN-PNN-TMN	OEM719A, GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719A-FDN-PNN-TMN	OEM719A, GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719A-GDN-LZN-TMN	GPS, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719A-GDN-LZN-TNN	GPS, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM719A-GDN-NNN-NNN	GPS, L1/L2
OEM719A-GDN-RNN-TBN	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719A-WDN-RYN-CBN	GPS+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements
Single-Frequency	
OEM719A-DSN-LNN-CNN	GPS+GLO, L1, Single Point+DGPS PNT, 100 Hz Data Output Rate
OEM719A-DSN-LNN-TME	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
OEM719A-DSN-LNN-TMN	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719A-GSN-LNN-TBN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719A-GSN-LNN-TMN	GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719A-TSN-LNN-TBN	GPS+GLO+GAL, L1/E1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

OEM719B Card

Card

Triple-Frequency

OEM719B-DFN-RNN-TBN	GPS+GLO, L1/L2/L3/L5, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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Dual-Frequency

OEM719B-DDN-LNN-TBN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM719B-GDN-LZN-TMN	GPS, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM719B-GDN-LZN-TNN	GPS, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate

OEM729 Series

The OEM729 receiver includes a high vibration oscillator on all cards.

OEM729 Card

Card

Triple-Frequency

OEM729-CFN-RNN-CBN	GPS+GLO+BDS, L1/L2/L5/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-CFN-RNN-TBN	GPS+GLO+BDS, L1/L2/L5/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

OEM729-DFN-LNN-TBN	GPS+GLO, L1/L2/L3/L5, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-DFN-LNN-TBN-A	GPS+GLO, L1/L2/L3/L5, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, API
OEM729-FFN-LNN-CBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-FFN-LNN-TBE	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM729-FFN-LNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-FFN-LNN-TMN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-FFN-RNN-TBE	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM729-FFN-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-PFN-RNN-TBN	GPS+BDS, L1/L2/L5/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-TFN-LNN-TBN	GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-WFN-LNN-TMN	GPS+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
Dual-Frequency	
OEM729-CDN-LNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-CDN-LNN-TMN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-CDN-LYN-TMN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-CDN-LYN-TNN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate
OEM729-CDN-LZN-TMN	GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-CDN-PNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-CDN-RNN-CBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-CDN-RNN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-CDN-RZN-TBN	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-DDN-LNN-TBN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-DDN-LNN-TME	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
OEM729-DDN-LNN-TMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections

OEM729-DDN-LYN-TMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-DDN-LYN-TNN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate
OEM729-DDN-LZN-TMN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-DDN-LZN-TNN	GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
OEM729-DDN-NZN-NNN	GPS+GLO, L1/L2, No Positioning, ALIGN Heading
OEM729-DDN-PNN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-DDN-PNN-TMN	GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-DDN-RNN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-DDN-RYN-TBN	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-FDN-LNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-FDN-LNN-TMN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-FDN-RNN-TBN	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-GDN-LNN-TBE	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM729-GDN-LNN-TBN	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-GDN-LNN-TMN	GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-GDN-LYN-TBN	GPS, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-GDN-PNN-TBN	GPS, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-GDN-RNN-TBE	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM729-GDN-RNN-TBN	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-GDN-RYN-TBE	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM729-PDN-RNN-TBN	GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-TDN-PNN-TMN	GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-TDN-RNN-TBN	GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-WDN-LNN-TBN	GPS+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

Single-Frequency

OEM729-DSN-LNN-CNN	GPS+GLO, L1 , Single Point+DGPS PNT, 100 Hz Data Output Rate
OEM729-DSN-LNN-TBE	GPS+GLO, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM729-DSN-LNN-TBN	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-DSN-LNN-TME	GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
OEM729-DSN-LNN-TMN	GPS+GLO, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-DSN-LNN-TNN	GPS+GLO, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate
OEM729-GSN-LNN-CBN	GPS, L1 , Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-GSN-LNN-TBE	OEM729, GPS, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
OEM729-GSN-LNN-TBN	GPS, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
OEM729-GSN-LNN-TMN	GPS, L1 , Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
OEM729-WSN-LNN-TBN	GPS+GAL, L1/E1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

Warranty

EW-1-T-OEM729	One-year extended warranty for OEM729 cards for purchase at time of sale.
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OEM729C Card**Card****Dual-Frequency**

OEM729C-GDN-PNN-TBN	Conformal coated OEM729. GPS, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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OEM7 Development Kit**OEM7 Development Kit****Other**

OEM7-DEV-KIT	Development Kit for evaluating OEM7 GNSS receivers with 60-pin header. Works with OEM7700 and OEM7720
OEM7-DEV-KIT-INTERPOSER	Interposer board for OEM7 development kit to allow connection to backwards compatible cards. Works with OEM719 series and OEM729.
OEM7-DEV-KIT-INTERPOSER-7600	Interposer board for OEM7 development kit to allow connection and proper mounting to OEM7600 cards.

OEM6® Receivers

The OEM6 receiver family includes the following hardware platforms:

OEM615, OEM617, OEM617D, OEM628, OEM638.

The OEM628/638 product lines can support L-band delivered corrections from TerraStar.

Firmware options include:

NovAtel CORRECT™ RTK, Precise Point Positioning (PPP), DGPS, SBAS, RAIM, GLIDE®, ALIGN®, SPAN®, API.

PPP enabled models have a maximum measurement and position rate of 20 Hz.

The Application Programming Interface (API) option is available on selected models refer. Add "-A" to the part number for each receiver requiring API capabilities.

The RAIM option is available on all models.

OEM6 receiver models intended to be used as base station receivers must have RTK Tx functionality enabled.

NOTE: Appendix 2 - Software Part Number Description contains details of the location and meaning of the options in the receiver software model name.

OEM638 Series Receivers

The OEM638 receiver is available with a High Vibration Oscillator by using OEM638V in place of the OEM638 in the model name.

100 Hz is available on selected models. 100Hz RTK is only available on GPS only models.

OEM638 Card

Other

01019541	OEM638 Mating connector for J401 (Samtec 100 pos 0.5mm PITCH 13.3mm HT)
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Warranty

EW-1-A-OEM638	One-year extended warranty for OEM638 cards for purchase after sale of product.
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EW-1-T-OEM638	One-year extended warranty for OEM638 cards for purchase at time of sale.
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EW-2-A-OEM638	Two-year extended warranty for OEM638 cards for purchase after sale of product.
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EW-2-T-OEM638	Two-year extended warranty for OEM638 cards for purchase at time of sale.
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OEM6 Development Kit

Application Development Kit, OEM6 Software

OEM6 Development Kit

Software

G-CC-ARM-NO-INT-L	Green Hills Software Compiler, Linux OS, Floating License.
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G-CC-ARM-NO-INT-N	Green Hills Software Compiler, Windows OS, Node Locked License.
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G-CC-ARM-NO-INT-W	Green Hills Software Compiler, Windows OS, Floating License.
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OEM6-API-DEV-KIT	API support development kit for OEM6 Family Receivers
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OEM6-API-DEV-KIT-6.4	API Development Kit for OEM6 Family Receivers running firmware version 6.400 or higher.
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OEM6-API-Information-Kit	API Information kit for OEM6 Family Receivers, API User Manual, Sample applications, and release notes
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Other

OEM-DEV-KIT	Development kit for evaluating OEM GNSS receivers. Works with OEMStar, OEMV-1, OEMV-1G, OEMV-2, OEMV-3, OEMV-1DF, OEM615, and OEM628.
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OEMStar® Receivers

OEMStar receivers offer position, velocity, and time (PVT) output, real-time DPGS positioning, and support for RTCA and RTCM messages. The OEMStar can be upgraded to offer GPS plus GLONASS real-time positions & measurements, and 10Hz output depending on which model is purchased.

NovAtel CORRECT RTK is not available on the OEMStar.

OEMStar Receivers

OEMStar Card

Card

Single-Frequency

OEMSTAR-10HZ	GPS code positions and raw data, SBAS, 10Hz, GLIDE
OEMSTAR-10HZ-A	GPS code positions and raw data, SBAS, 10Hz, GLIDE, API
OEMSTAR-10HZ-D	GPS code positions and raw data, DGPS code corrections transmit, SBAS, 10 Hz, GLIDE
OEMSTAR-10HZ-D-G	GPS plus GLONASS code positions and raw data, DGPS code corrections transmit, SBAS, 10 Hz, GLIDE
OEMSTAR-10HZ-G	GPS plus GLONASS code positions and raw data, SBAS, 10Hz, GLIDE
OEMSTAR-10HZ-G-A	GPS plus GLONASS code positions and raw data, SBAS, 10Hz, GLIDE, API
OEMSTAR-10HZ-G-I	GPS plus GLONASS code positions and raw data, SBAS, 10Hz, GLIDE, RAIM
OEMSTAR-10HZ-I	GPS code positions and raw data, SBAS, 10Hz, GLIDE, RAIM
OEMSTAR-1HZ	GPS code positions and raw data, SBAS, 1Hz, GLIDE
OEMSTAR-1HZ-D	GPS code positions and raw data, DGPS code corrections transmit, SBAS, 1 Hz, GLIDE
OEMSTAR-1HZ-D-G	GPS plus GLONASS code positions and raw data, DGPS code corrections transmit, SBAS, 1 Hz, GLIDE
OEMSTAR-1HZ-G	GPS plus GLONASS code positions and raw data, SBAS, 1Hz, GLIDE
OEMSTAR-PVT-10HZ	GPS code positions only, SBAS, 10Hz
OEMSTAR-PVT-10HZ-G	GPS plus GLONASS code positions, SBAS, 10Hz
OEMSTAR-PVT-1HZ	GPS code positions only, SBAS, 1Hz
OEMSTAR-PVT-1HZ-G	GPS plus GLONASS code positions only, SBAS, 1Hz

OEMStar RA Card

Card

OEMSTAR-RA-1HZ	GPS code positions and raw data, SBAS, 1Hz, GLIDE, Right Angle RF
Single-Frequency	
OEMSTAR-RA-10HZ	GPS code positions and raw data, SBAS, 10Hz, GLIDE, Right Angle RF
OEMSTAR-RA-10HZ-A	GPS code positions and raw data, SBAS, 10Hz, GLIDE, API, Right Angle RF
OEMSTAR-RA-10HZ-D-G	GPS plus GLONASS code positions and raw data, DGPS code corrections transmit, SBAS, 10 Hz, GLIDE, Right Angle RF
OEMSTAR-RA-10HZ-G	GPS and GLONASS code positions and raw data, SBAS, 10Hz, GLIDE, Right Angle RF
OEMSTAR-RA-10HZ-G-A	GPS and GLONASS code positions and raw data, SBAS, 10Hz, GLIDE, API, Right Angle RF

OEMSTAR-RA-1HZ-D	GPS code positions and raw data, DGPS code corrections transmit, SBAS, 1 Hz, GLIDE, Right Angle RF
OEMSTAR-RA-1HZ-D-G	GPS plus GLONASS code positions and raw data, DGPS code corrections transmit, SBAS, 1 Hz, GLIDE, Right Angle RF
OEMSTAR-RA-PVT-1HZ	GPS code positions only, SBAS, 1Hz, Right Angle RF

OEMStar Application Development Kit

Software

OEMSTAR-API-DEV-KIT	API support development kit for OEMStar
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GNSS Enclosure Receivers

Receiver enclosures provide rugged and easy-to-integrate GNSS functionality at a range of performance levels.

OEM7® Receivers

The OEM7 receiver family includes the following hardware platforms: OEM7700, OEM7720, OEM719, OEM729. Those product lines can all support L-band delivered corrections from TerraStar. Firmware options include: NovAtel CORRECT™ RTK, Precise Point Positioning (PPP), ALIGN®, SPAN®. PPP capability is included free of charge on all RTK capable models. PPP enabled models have a maximum measurement and position rate of 20 Hz. DGPS, SBAS, RAIM, and GLIDE® are included standard on all models. OEM7 receiver models intended to be used as base station receivers must have RTK Tx functionality enabled. RTK rover models should always have the RTK Tx functionality enabled.

NOTE: Appendix 1 - Software Part Number Description contains details of the location and meaning of the options in the receiver software model name.

PwrPak7D Enclosure

Enclosure

Dual-Frequency

PW7720-CDD-RYN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-CDD-RZN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-DDD-LYN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-DDD-LZN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-DDD-LZN-TME	PwrPak7D dual antenna enclosure containing OEM7720GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
PW7720-DDD-LZN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-DDD-LZN-TNN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
PW7720-DDD-PYN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-DDD-PZN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-DDD-RYN-CBE	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
PW7720-DDD-RYN-CBN	PwrPak7D dual antenna enclosure containing OEM7720GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-DDD-RYN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-DDD-RZN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements

PW7720-DDN-RZN-TBN	PwrPak7D dual antenna enclosure containing OEM7720, GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-FDD-LYN-CBE	PwrPak7D dual antenna enclosure containing OEM7720GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
PW7720-FDD-LYN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-FDD-LZN-TME	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
PW7720-FDD-LZN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-FDD-LZN-TNN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
PW7720-FDD-RYN-TBE	PwrPak7D dual antenna enclosure containing OEM7720, GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
PW7720-FDD-RYN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-FDD-RZN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-GDD-LYN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-GDD-LZN-TBN	PwrPak7D dual antenna enclosure containing OEM7720GPS, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-GDD-LZN-TMN	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7720-GDD-LZN-TNN	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate
PW7720-GDD-RYN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-GDD-RZN-TBN	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-GDN-LNN-TBN	PwrPak7D dual antenna enclosure containing OEM7720 with only one antenna activated. GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7720-TDD-RZN-CBE	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

Cable

01020004	PwrPak7 Family All I/O Cable. This cable provides access to all of the signals available on the PwrPak7 family DB26 connector. It is a DB26 to 3 DB9 and 1 DB15 connectors. It also supports direct connection to SPAN IMU through Com2. 30cm
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01020005 PwrPak7 DB15 to all event lines cable. This cable connects to PwrPak7 all I/O cable 01020004 DB15 connector and breaks out to all event lines (including PPS and CAN). 2m

Warranty

EW-1-A-PW7720 One-year extended warranty for PwrPak7D enclosures for purchase after sale of product

EW-1-T-PW7720 One-year extended warranty for PwrPak7D enclosures for purchase at time of sale

EW-2-A-PW7720 Two-year extended warranty for PwrPak7D enclosures for purchase after sale of product

EW-2-T-PW7720 Two-year extended warranty for PwrPak7D enclosures for purchase at time of sale

PwrPak7 Enclosure

Enclosure

Triple-Frequency

PW7700-CFN-RNN-TBN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+BDS, L1/L2/L5/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

PW7700-FFN-LNN-CMN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 100 Hz Data Output Rate, Measurements Only, No Base Station Corrections

PW7700-FFN-LNN-TBN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

PW7700-FFN-LNN-TMN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections

PW7700-FFN-PNN-TBN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

PW7700-FFN-PNN-TMN PwrPak7 single antenna enclosure containing OEM7700GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections

PW7700-FFN-RNN-CBN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements

PW7700-FFN-RNN-TBE PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

PW7700-FFN-RNN-TBN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

PW7700-FFN-RYN-CBE PwrPak7 single antenna enclosure containing OEM7700GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 100 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

PW7700-FFN-RYN-TBN PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements

PW7700-GFN-LNN-TBN PwrPak7 single antenna enclosure containing OEM7700, GPS, L1/L2/L5, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

PW7700-TFN-LNN-TBE PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

PW7700-TFN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-TFN-LNN-TMN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7700-TFN-RNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-WFN-LNN-TMN	PwrPak7 single antenna enclosure containing OEM7700GPS+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7700-WFN-PNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
Dual-Frequency	
PW7700-CDN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+BDS, L1/L2/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-CDN-RNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-DDN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-DDN-LNN-TME	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections, Interference Mitigation
PW7700-DDN-LNN-TMN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7700-DDN-NZN-NNN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, No Positioning, ALIGN Heading
PW7700-DDN-PNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-DDN-PNN-TMN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7700-DDN-RNN-CBN	PwrPak7 single antenna enclosure containing OEM7700GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-DDN-RNN-TBE	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
PW7700-DDN-RNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-FDN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-FDN-PNN-TMN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7700-FDN-RNN-TBE	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation
PW7700-FDN-RNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-FDN-RYN-TBE	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation

PW7700-GDN-LNN-CBN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 100 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-GDN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-GDN-LNN-TMN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7700-GDN-LYN-TMN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
PW7700-GDN-PNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-GDN-RNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-GDN-RYN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-WDN-LNN-TMN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GAL, L1/L2/E1/E5b, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections

Single-Frequency

PW7700-DSN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-DSN-LNN-TNN	PwrPak7 single antenna enclosure containing OEM7700GPS+GLO, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate
PW7700-FSN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/E1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-GSN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-GSN-LNN-TNN	PwrPak7 single antenna enclosure containing OEM7700GPS, L1, Single Point+DGPS PNT, 20 Hz Data Output Rate
PW7700-PSN-LNN-TBN	PwrPak7 single antenna enclosure containing OEM7700. GPS+BDS, L1/B1, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

Cable

01019764	PwrPak7 power cable, unterminated. 2m
01019765	PwrPak7 COM1 cable, DB26 female to DB9 female, 2m
01019767	PwrPak7 IMU cable. This cable provides connection from DB26 connector to M12 connector in the IMU-ISA-100C, IMU-HG1900, IMU-ENC-LN200 and IMU-uIMU-IC enclosures. 2m
01020004	PwrPak7 Family All I/O Cable. This cable provides access to all of the signals available on the PwrPak7 family DB26 connector. It is a DB26 to 3 DB9 and 1 DB15 connectors. It also supports direct connection to SPAN IMU through Com2. 30cm
01020005	PwrPak7 DB15 to all event lines cable. This cable connects to PwrPak7 all I/O cable 01020004 DB15 connector and breaks out to all event lines (including PPS and CAN). 2m
60723175	PwrPak7 USB Micro A to USB A cable, 2m

Warranty

EW-1-A-PW7700	One-year extended warranty for PwrPak7 enclosures for purchase after sale of product
EW-1-T-PW7700	One-year extended warranty for PwrPak7 enclosures for purchase at time of sale

EW-2-A-PW7700

Two-year extended warranty for PwrPak7 enclosures for purchase after sale of product

EW-2-T-PW7700

Two-year extended warranty for PwrPak7 enclosures for purchase at time of sale

OEM6® Receivers

FlexPak6D Enclosure

Warranty

EW-1-A-FLEX6D	One-year extended warranty for FlexPak6D enclosure for purchase after sale of product
EW-1-T-FLEX6D	One-year extended warranty for FlexPak6D enclosure for purchase at time of sale.
EW-2-A-FLEX6D	Two-year extended warranty for FlexPak6D enclosure for purchase after sale of product.
EW-2-T-FLEX6D	Two-year extended warranty for FlexPak6D enclosure for purchase at time of sale

FlexPak6 Enclosure

Cable

01017658	Null modem cable with 2 female DB-9 connectors for DL-V3, ProPak-V3, FlexPak6 and FlexPak-G2 enclosures, RoHS compliant
01017663	Accessory Power Cable, 4-pin LEMO with automotive adapter for DL-4plus, DL-V3, ProPak-G2plus, ProPak-V3, FlexPak6 and FlexPak-G2, RoHS compliant. For use at 12VDC only.
01018519	I/O cable 6ft DB9 Male single ended/unterminated
01018520	Straight serial cable (extension) with male and female DB-9 connectors for ProPak6, FlexPak6, GPStation 6, 6ft, RoHS Compliant.
01018649	FlexPak6 breakout cable; Connects to 15 pin I/O port and provides Ethernet jack, DB9 connector for CANbus, and HD15 connector for I/O signals, RoHS compliant
01018651	I/O strobe port interface cable with DB15HD female connector and open wires for FlexPak6, RoHS compliant
01018948	FlexPak6 breakout cable for operating with the IMU-CPT-FP-6 by bridging the VARF line out to the IMU for timing.
60323078	2 meter USB A to Mini-B cable, RoHS compliant

Other

01018525	Heading kit for FlexPak6 and FlexPak-G2. Includes a QSG and the necessary hardware to stack two FlexPak units as well as a heading serial cable.
01018931	30W AC to DC power adapter. 4-pin LEMO to wall socket, with plug kit (US, UK, Euro, Aus) Operating Temp Range: 0 to 40 deg C - indoor use only
40023114	AC adapter with auto receptacle for ProPak-V3, FlexPak-G2, FlexPak6, SMART Antenna, GPStation-6, and all EuroPaks, RoHS compliant

Warranty

EW-1-A-FLEX6	One-year extended warranty for FlexPak6 enclosures for purchase after sale of product.
EW-1-T-FLEX6	One-year extended warranty for FlexPak6 enclosures for purchase at time of sale.
EW-2-A-FLEX6	Two-year extended warranty for FlexPak6 enclosures for purchase after sale of product.
EW-2-T-FLEX6	Two-year extended warranty for FlexPak6 enclosures for purchase at time of sale.

ProPak6™ BT/WIFI Enclosure

Cable

01017658	Null modem cable with 2 female DB-9 connectors for DL-V3, ProPak-V3, FlexPak6 and FlexPak-G2 enclosures, RoHS compliant
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01017663	Accessory Power Cable, 4-pin LEMO with automotive adapter for DL-4plus, DL-V3, ProPak-G2plus, ProPak-V3, FlexPak6 and FlexPak-G2, RoHS compliant. For use at 12VDC only.
01018519	I/O cable 6ft DB9 Male single ended/unterminated
01018520	Straight serial cable (extension) with male and female DB-9 connectors for ProPak6, FlexPak6, GPStation 6, 6ft, RoHS Compliant.
01019148	Advanced I/O CABLE 6FT DB9 MALE (TWISTED PAIR)
01019154	PROPAK6 expansion cable with 4 DB-9 Female connectors for COM7,8,9 &10 and open wires for CAN1 and CAN2 LEMO connection to ProPak6 1.3M
60723118	PATCH CABLE - 7FT BLACK W/ SR HOOD
60723119	CABLE USB A TO USB MICRO B 2 METER

Radio Antenna

12023303	GSM/HSPA Antenna, 3 / 4 dBi, 806-960 MHz / 1710 - 2500 MHz, NMO
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Other

01018931	30W AC to DC power adapter. 4-pin LEMO to wall socket, with plug kit (US, UK, Euro, Aus) Operating Temp Range: 0 to 40 deg C - indoor use only
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Warranty

EW-1-A-PP6	One-year extended warranty for ProPak6 enclosures for purchase after sale of Product.
EW-1-T-PP6	One-year extended warranty for ProPak6 enclosures for purchase at time of sale.
EW-2-A-PP6	Two-year extended warranty for ProPak6 enclosures for purchase after sale of product.
EW-2-T-PP6	Two-year extended warranty for ProPak6 enclosures for purchase at time of sale.

OEMStar® Receivers

FlexPak-G2-OEMStar

Enclosure

Single-Frequency

FLEXG2-STAR-10HZ	GPS code positions and raw data, SBAS, 10Hz, GLIDE
FLEXG2-STAR-10HZ-D	GPS code positions and raw data, DGPS code corrections transmit, SBAS, 10 Hz, GLIDE
FLEXG2-STAR-10HZ-D-G	GPS plus GLONASS code positions and raw data, DGPS code corrections transmit, SBAS, 10 Hz, GLIDE
FLEXG2-STAR-10HZ-G	GPS plus GLONASS code positions and raw data, SBAS, 10Hz, GLIDE
FLEXG2-STAR-10HZ-G-I	GPS plus GLONASS code positions and raw data, SBAS, 10 Hz, GLIDE, RAIM
FLEXG2-STAR-1HZ	GPS code positions and raw data, SBAS, 1Hz, GLIDE
FLEXG2-STAR-1HZ-D	GPS code positions and raw data, DGPS code corrections transmit, SBAS, 1 Hz, GLIDE
FLEXG2-STAR-1HZ-D-G	GPS plus GLONASS code positions and raw data, DGPS code corrections transmit, SBAS, 1 Hz, GLIDE
FLEXG2-STAR-1HZ-G	GPS plus GLONASS code positions and raw data, SBAS, 1Hz, GLIDE
FLEXG2-STAR-PVT-10HZ	GPS code positions only, SBAS, 10Hz
FLEXG2-STAR-PVT-10HZ-G	GPS plus GLONASS code positions only, SBAS, 10Hz
FLEXG2-STAR-PVT-1HZ	GPS code positions only, SBAS, 1Hz
FLEXG2-STAR-PVT-1HZ-G	GPS plus GLONASS code positions only, SBAS, 1Hz

GNSS Smart Antennas

NovAtel Smart Antenna bring together NovAtel receiver and antenna technology into combined mechanical assemblies for easy deployment onto a vehicle.

OEM7® Receivers

The OEM7 receiver family includes the following hardware platforms: OEM7700, OEM7720, OEM719, OEM729. Those product lines can all support L-band delivered corrections from TerraStar. Firmware options include: NovAtel CORRECT™ RTK, Precise Point Positioning (PPP), ALIGN®, SPAN®. PPP capability is included free of charge on all RTK capable models. PPP enabled models have a maximum measurement and position rate of 20 Hz. DGPS, SBAS, RAIM, and GLIDE® are included standard on all models. OEM7 receiver models intended to be used as base station receivers must have RTK Tx functionality enabled. RTK rover models should always have the RTK Tx functionality enabled.

NOTE: Appendix 1 - Software Part Number Description contains details of the location and meaning of the options in the receiver software model name.

SMART7 Smart Antenna

SMART Antenna

Triple-Frequency

SM7-FFN-LNN-TMN	SMART7 with GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
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SM7-FFN-RNN-TBN	SMART7 with GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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Dual-Frequency

SM7-DDN-LNN-TBN	SMART7 with GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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SM7-DDN-LNN-TMN	SMART7 with GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
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SM7-DDN-PNN-TMN	SMART7 with GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
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SM7-DDN-RNN-TBN	SMART7 with GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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SMART7-I Smart Antenna

SMART Antenna

Triple-Frequency

SM7I-FFN-LNN-TMN	SMART7 with Wi-Fi, Ethernet, GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
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SM7I-FFN-RNN-TBN	SMART7 with Wi-Fi, Ethernet, GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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Dual-Frequency

SM7I-DDN-LNN-TBN	SMART7 with Wi-Fi, Ethernet, GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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SM7I-DDN-LNN-TMN	SMART7 with Wi-Fi, Ethernet, GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
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SM7I-DDN-PNN-TMN	SMART7 with Wi-Fi, Ethernet, GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
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SM7I-DDN-RNN-TBN	SMART7 with Wi-Fi, Ethernet, GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
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SMART7-W Smart Antenna

SMART Antenna

Triple-Frequency

SM7W-FFN-LNN-TMN	SMART7 with Wi-Fi,GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
SM7W-FFN-RNN-TBN	SMART7 with Wi-Fi,GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements

Dual-Frequency

SM7W-DDN-LNN-TBN	SMART7 with Wi-Fi,GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
SM7W-DDN-LNN-TMN	SMART7 with Wi-Fi,GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
SM7W-DDN-LZN-TMN	SMART7 with Wi-Fi,GPS+GLO, L1/L2, Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
SM7W-DDN-PNN-TMN	SMART7 with Wi-Fi,GPS+GLO, L1/L2, NovAtel CORRECT PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Measurements Only, No Base Station Corrections
SM7W-DDN-RNN-TBN	SMART7 with Wi-Fi,GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
SM7W-DDN-RYN-TBN	SMART7 with Wi-Fi,GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements

SMART7**Cable**

01019944	SMART7 Evaluation Cable, 2 meters with 4 DB-9 Female connectors and open wires for power and signals.
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Other

01020089	Magnetic mounting plate for SMART7 family of products
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OEM6® Receivers

SMART6

Cable

01018999 SMART6 Evaluation Cable, 25 feet with 3 DB-9 Female connectors and open wires for power and signals.

Other

01018317 Magnetic mounting plate for SMART6, AG-STAR and SMART-AG family of products

01019142 1"-14 UNF thread pole mount adapter for SMART6 family of products

Warranty

EW-1-A-SM6 One-year extended warranty for SMART6 family antenna products for purchase after sale of product.

EW-1-T-SM6 One-year extended warranty for SMART6 family antenna products for purchase at time of sale.

EW-2-A-SM6 Two-year extended warranty for SMART6 family antenna products for purchase after sale of product.

EW-2-T-SM6 Two-year extended warranty for SMART6 family antenna products for purchase at time of sale.

SMART6-L

Cable

01018999 SMART6 Evaluation Cable, 25 feet with 3 DB-9 Female connectors and open wires for power and signals.

Other

01018317 Magnetic mounting plate for SMART6, AG-STAR and SMART-AG family of products

01019142 1"-14 UNF thread pole mount adapter for SMART6 family of products

Warranty

EW-1-A-SM6 One-year extended warranty for SMART6 family antenna products for purchase after sale of product.

EW-1-T-SM6 One-year extended warranty for SMART6 family antenna products for purchase at time of sale.

EW-2-A-SM6 Two-year extended warranty for SMART6 family antenna products for purchase after sale of product.

EW-2-T-SM6 Two-year extended warranty for SMART6 family antenna products for purchase at time of sale.

OEMStar® Receivers

AG-STAR

SMART Antenna

Single-Frequency

AG-STAR-10HZ	AG-STAR with GPS L1 code positions and raw data, DGPS, GLIDE, SBAS, 10 Hz
AG-STAR-10HZ-D-G	AG-STAR with GPS plus GLONASS L1 code positions and raw data, DGPS code corrections transmit, GLIDE, SBAS, 10 Hz
AG-STAR-10HZ-G	AG-STAR with GPS plus GLONASS L1 code positions and raw data, DGPS, GLIDE, SBAS, 10 Hz
AG-STAR-1HZ	AG-STAR with GPS L1 code positions and raw data, DGPS, GLIDE, SBAS, 1 Hz
AG-STAR-1HZ-G	AG-STAR with GPS plus GLONASS L1 code positions and raw data, DGPS, GLIDE, SBAS, 1 Hz
AG-STAR-PVT-10HZ	AG-STAR with GPS L1 code positions, DGPS, SBAS, 10 Hz
AG-STAR-PVT-10HZ-G	AG-STAR with GPS plus GLONASS L1 code positions, DGPS, SBAS, 10 Hz
AG-STAR-PVT-1HZ	AG-STAR with GPS L1 code positions, DGPS, SBAS, 1 Hz
AG-STAR-PVT-1HZ-G	AG-STAR with GPS plus GLONASS L1 code positions, DGPS, SBAS, 1 Hz

Cable

01018256	Serial and power cable for AG-STAR. Two DB-9 connectors for serial (4.6m) and tinned and tagged for BATT, PPS, ER, CAN, and MKI (7.6m). RoHS compliant.
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Other

01018317	Magnetic mounting plate for SMART6, AG-STAR and SMART-AG family of products
01019142	1"-14 UNF thread pole mount adapter for SMART6 family of products

Warranty

EW-1-A-AG-STAR	One-year extended warranty for AG-STAR family antenna products for purchase after sale of product.
EW-1-T-AG-STAR	One-year extended warranty for AG-STAR family antenna products for purchase at time of sale.
EW-2-A-AG-STAR	Two-year extended warranty for AG-STAR family antenna products for purchase after sale of product.
EW-2-T-AG-STAR	Two-year extended warranty for AG-STAR family antenna products for purchase at time of sale.

AG-STAR Bluetooth

SMART Antenna

Single-Frequency

AG-STAR-B-10HZ	AG-STAR with Bluetooth with GPS L1 code positions and raw data, DGPS, GLIDE, SBAS, 10 Hz
AG-STAR-B-10HZ-G	AG-STAR with Bluetooth with GPS plus GLONASS L1 code positions and raw data, DGPS, GLIDE, SBAS, 10 Hz
AG-STAR-B-1HZ	AG-STAR with Bluetooth with GPS L1 code positions and raw data, DGPS, GLIDE, SBAS, 1 Hz
AG-STAR-B-1HZ-G	AG-STAR with Bluetooth with GPS plus GLONASS L1 code positions and raw data, DGPS, GLIDE, SBAS, 1 Hz
AG-STAR-B-PVT-10HZ	AG-STAR with Bluetooth with GPS L1 code positions, DGPS, SBAS, 10 Hz

AG-STAR-B-PVT-10HZ-G	AG-STAR with Bluetooth with GPS plus GLONASS L1 code positions, DGPS, SBAS, 10 Hz
AG-STAR-B-PVT-1HZ	AG-STAR with Bluetooth with GPS L1 code positions, DGPS, SBAS, 1 Hz
AG-STAR-B-PVT-1HZ-G	AG-STAR with Bluetooth with GPS plus GLONASS L1 code positions, DGPS, SBAS, 1 Hz

Radio Adapters

The RELAY7™ RTK rover radio module attaches to the SMART7 to create a single unit for easy system integration and installation. The RELAY7 is available with either a 400 MHz or 900 MHz UHF radio for receiving RTK corrections from compatible base stations. Available December 2018.

The RELAY™ RTK Radio Adapter attaches to the SMART6-L antenna to create a single RTK rover or base station assembly. 400 MHz licensed UHF, 900 MHz unlicensed UHF and HSPA cellular radio versions are available.

RELAY7

SMART Antenna

RELAY7-400	RELAY7 RTK Radio for use with SMART7, 403-473 MHz
RELAY7-900	RELAY7 RTK Radio for use with SMART7, 902-928 MHz

RELAY

SMART Antenna

RELAYN-400	RELAY RTK Radio for use with SMART6-L, 400 MHz, No Logo
RELAYN-900	RELAY RTK Radio for use with SMART6-L, 900 MHz, No Logo
RELAYN-HSPA	RELAY RTK Radio for use with SMART6-L, HSPA Cellular, No Logo

Cable

01019372	NMO to TNC Male cable adapter for RELAY, 15 cm.
01019382	RELAY Evaluation Cable, 3 meters with 3 DB-9 Female connectors and open wires for power and signals.

Other

01019435	Magnetic mounting plate for RELAY
70023100	5/8"-11 UNC thread pole mount adapter for RELAY

Warranty

EW-1-A-RELAY	One-year extended warranty for RELAY products for purchase after sale of product.
EW-1-T-RELAY	One-year extended warranty for RELAY products for purchase at time of sale.
EW-2-A-RELAY	Two-year extended warranty for RELAY products for purchase after sale of product.
EW-2-T-RELAY	Two-year extended warranty for RELAY products for purchase at time of sale.

Correction Services

TerraStar GNSS correction services combined with OEM positioning technology delivers centimetre to sub-metre level positioning solution. TerraStar corrections are offered as termed subscription through NovAtel for land, unmanned (UAV), and airborne applications. Land subscriptions permit TerraStar positioning for operations on and with a maximum speed of 130 km/hr. UAV subscriptions has no speed restrictions and allows TerraStar positioning on land and up to 10 km from coastline. Airborne subscriptions has no speed or geographic restrictions. Please contact your local sales representative for airborne subscriptions.

TerraStar-C

TerraStar-C GNSS correction service enable sub-decimetre positioning (4 cm HRMS, 5 cm H95) and is available for land, unmanned and airborne applications. TerraStar-C is no longer supported on OEM7 products but will continue to be available on OEM6 products only. Please contact your local sales representative for pricing.

TSC Land

Subscription

TSC-GL-LA-1YR	TerraStar-C subscription, Other Land Applications, Global, 1 Year
TSC-GL-LA-2YR	TerraStar-C subscription, Other Land Applications, Global, 2 Years
TSC-GL-LA-3YR	TerraStar-C subscription, Other Land Applications, Global, 3 Years
TSC-RG-LA-1YR	TerraStar-C subscription, Other Land Applications, Regional, 1 Year
TSC-RG-LA-2YR	TerraStar-C subscription, Other Land Applications, Regional, 2 Years
TSC-RG-LA-3YR	TerraStar-C subscription, Other Land Applications, Regional, 3 Years

TSC UAV

Subscription

TSC-RG-UAV-1YR	TerraStar-C subscription, UAV Applications, Regional, 1 Year
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TSC Airborne

Subscription

TSC-GL-AR-1YR	TerraStar-C subscription, Airborne Applications, Global, 1 Year
TSC-GL-AR-2YR	TerraStar-C subscription, Airborne Applications, Global, 2 Years
TSC-GL-AR-3YR	TerraStar-C subscription, Airborne Applications, Global, 3 Years
TSC-RG-AR-1YR	TerraStar-C subscription, Airborne Applications, Regional, 1 Year
TSC-RG-AR-2YR	TerraStar-C subscription, Airborne Applications, Regional, 2 Years
TSC-RG-AR-3YR	TerraStar-C subscription, Airborne Applications, Regional, 3 Year

TerraStar-L

TerraStar-L GNSS correction service enable repeatable sub-metre positioning (40 cm HRMS, 50 cm H95) and is available for land, unmanned and airborne applications. TerraStar-L is available on both OEM7 and OEM6 products. Please contact your local sales representative for pricing.

TSL Land

Subscription

TSL-GL-LA-1YR	TerraStar-L subscription, Other Land Applications, Global, 1 Year
TSL-RG-LA-1YR	TerraStar-L subscription, Other Land Applications, Regional, 1 Year

TSL-RG-LA-2YR	TerraStar-L subscription, Other Land Applications, Regional, 2 Years
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TSL-RG-LA-3YR	TerraStar-L subscription, Other Land Applications, Regional, 3 Years
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TSL UAV

Subscription

TSL-RG-UAV-1YR	TerraStar-L subscription, UAV Applications, Regional, 1 Year
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TSL Airborne

Subscription

TSL-GL-AR-1YR	TerraStar-L subscription, Airborne Applications, Global, 1 Year
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TSL-RG-AR-1YR	TerraStar-L subscription, Airborne Applications, Regional, 1 Year
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TSL-RG-AR-2YR	TerraStar-L subscription, Airborne Applications, Regional, 2 Years
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TSL-RG-AR-3YR	TerraStar-L subscription, Airborne Applications, Regional, 3 Years
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TerraStar-C PRO

TerraStar-C PRO multi-constellation GNSS corrections enables centimetre-level positioning (2.5 cm HRMS, 3 cm H95) and is available for land, unmanned and airborne applications. TerraStar-C PRO is available only on OEM7 products. Please contact your local sales representative for pricing.

TSCP Land

Subscription

TSCP-GL-LA-1YR	TerraStar-C PRO subscription, Other Land Applications, Global, 1 Year
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TSCP-GL-LA-2YR	TerraStar-C PRO subscription, Other Land Applications, Global, 2 Years
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TSCP-GL-LA-3YR	TerraStar-C PRO subscription, Other Land Applications, Global, 3 Years
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TSCP-RG-LA-2YR	TerraStar-C PRO subscription, Other Land Applications, Regional, 2 Years
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TSCP-RG-LA-3YR	TerraStar-C PRO subscription, Other Land Applications, Regional, 3 Years
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TSCP UAV

Subscription

TSCP-GL-UAV-1YR	TerraStar-C PRO subscription, UAV Applications, Global, 1 Year
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TSCP-GL-UAV-2YR	TerraStar-C PRO subscription, UAV Applications, Global, 2 Year
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TSCP-GL-UAV-3YR	TerraStar-C PRO subscription, UAV Applications, Global, 3 Year
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TSCP Airborne

Subscription

TSCP-GL-AR-1YR	TerraStar-C PRO subscription, Airborne Applications, Global, 1 Year
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TSCP-GL-AR-2YR	TerraStar-C PRO subscription, Airborne Applications, Global, 2 Years
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TSCP-GL-AR-3YR	TerraStar-C PRO subscription, Airborne Applications, Global, 3 Years
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RTK ASSIST

RTK ASSIST powered by TerraStar enabled NovAtel receivers to maintain centimetre-level accuracy during RTK data outages, radio signal blind spots or cellular network connectivity interruptions. With RTK ASSIST, users can operate seamlessly during RTK correction outages up to 20 minutes. RTK ASSIST is available on both OEM7 and OEM6 products. Please contact your local sales representative for pricing.

RTK ASSIST Land

Subscription

RTKA-GL-LA-1YR	RTK ASSIST standard subscription providing 20 minutes of RTK outage coverage, Other Land Applications, Global, 1 Year
RTKA-GL-LA-2YR	RTK ASSIST standard subscription providing 20 minutes of RTK outage coverage, Other Land Applications, Global, 2 Year
RTKA-GL-LA-3YR	RTK ASSIST standard subscription providing 20 minutes of RTK outage coverage, Other Land Applications, Global, 3 Year

RTK ASSIST PRO

RTK ASSIST PRO multi-constellation GNSS corrections helps maintain centimetre level positioning during RTK correction data outages, radio signal blind spots or cellular network connectivity interruptions. Users can operate in RTK ASSIST mode indefinitely and not restricted to 20 minutes. RTK ASSIST PRO corrections also enables independent centimetre level positioning enabling operations even in areas where there is no RTK base or network coverage. RTK ASSIST PRO is available only on OEM7 products. Please contact your local sales representative for pricing.

RTKAP Land

Subscription

RTKAP-GL-LA-1YR	RTK ASSIST PRO subscription, Other Land Applications, Global, 1 Year
RTKAP-GL-LA-2YR	RTK ASSIST PRO subscription, Other Land Applications, Global, 2 Years
RTKAP-GL-LA-3YR	RTK ASSIST PRO subscription, Other Land Applications, Global, 3 Years
RTKAP-GL-UAV-1YR	RTK ASSIST PRO subscription, UAV Applications, Global, 1 Year
RTKAP-GL-UAV-2YR	RTK ASSIST PRO subscription, UAV Applications, Global, 2 Years
RTKAP-GL-UAV-3YR	RTK ASSIST PRO subscription, UAV Applications, Global, 3 Years
RTKAP-RG-LA-1YR	RTK ASSIST PRO subscription, Other Land Applications, Regional, 1 Year
RTKAP-RG-LA-2YR	RTK ASSIST PRO subscription, Other Land Applications, Regional, 2 Years
RTKAP-RG-LA-3YR	RTK ASSIST PRO subscription, Other Land Applications, Regional, 3 Years

SPAN GNSS-Inertial Products

NovAtel's tightly-coupled GNSS/INS functionality enhances the performance of the GNSS engine in challenging GNSS conditions and provides high-rate, and highly accurate position, velocity and orientation. The Relative INS model option available on SPAN products provides a relative 3D position and orientation solution between two SPAN systems.

OEM7® Receivers

The OEM7 receiver family includes the following hardware platforms: OEM7700, OEM7720, OEM719, OEM729. Those product lines can all support L-band delivered corrections from TerraStar. Firmware options include: NovAtel CORRECT™ RTK, Precise Point Positioning (PPP), ALIGN®, SPAN®. PPP capability is included free of charge on all RTK capable models. PPP enabled models have a maximum measurement and position rate of 20 Hz. DGPS, SBAS, RAIM, and GLIDE® are included standard on all models. OEM7 receiver models intended to be used as base station receivers must have RTK Tx functionality enabled. RTK rover models should always have the RTK Tx functionality enabled.

NOTE: Appendix 1 - Software Part Number Description contains details of the location and meaning of the options in the receiver software model name.

OEM7720 Series

The OEM7720 receiver includes a high vibration oscillator on all cards.

OEM7720 Card

Card

Dual-Frequency

OEM7720-CDD-RZN-TBE-P1	OEM7720, GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
OEM7720-CDD-RZN-TBN-P1	GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
OEM7720-CDD-RZN-TBN-S1	GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
OEM7720-DDD-RYN-TBE-S2	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Mid grade tactical
OEM7720-DDD-RYN-TBN-S1	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
OEM7720-DDD-RZN-TBE-P1	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled with Profiles (includes Heave), Entry Level IMU
OEM7720-DDD-RZN-TBN-P1	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled with Profiles (includes Heave), Entry Level IMU
OEM7720-DDD-RZN-TBN-S1	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
OEM7720-DDD-RZN-TBN-S2	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical IMU
OEM7720-DDD-RZN-TBN-S3	GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, High Grade Tactical IMU
OEM7720-DDN-RNN-TBN-S1	GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU

OEM7720-FDD-RNN-TBE-S1	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Entry level IMU
OEM7720-FDD-RYN-TBE-S1	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Entry level IMU
OEM7720-FDD-RYN-TBN-P1	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
OEM7720-FDD-RYN-TBN-S1	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
OEM7720-FDD-RYN-TBN-S2	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical IMU
OEM7720-FDD-RZN-TBE-S1	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Entry level IMU
OEM7720-FDD-RZN-TBN-S2	GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical IMU
OEM7720-FDD-RZN-TBN-S3	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
OEM7720-FDN-RYN-TBN-S1	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
OEM7720-FDN-RYN-TBN-S2	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
OEM7720-FDN-RYN-TBN-S3	GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
OEM7720-GDD-RZN-TBN-S1	GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Entry Level IMU
OEM7720-PDD-RYN-TBN-S1	GPS+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU

PwrPak7D Enclosure

Enclosure

Dual-Frequency

PW7720-CDD-RYN-TBE-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , High grade tactical
PW7720-CDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-CDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU

PW7720-CDD-RYN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-CDD-RYN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-CDD-RYN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade
PW7720-CDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-CDD-RZN-TBE-P2	PwrPak7D dual antenna enclosure containing OEM7720GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Mid grade tactical
PW7720-CDD-RZN-TBE-P3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, High grade tactical
PW7720-CDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-CDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-CDD-RZN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-CDD-RZN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-CDD-RZN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade
PW7720-DDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-DDD-RYN-TBN-P2	PwrPak7D dual antenna enclosure containing OEM7720, GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Mid grade tactical
PW7720-DDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-DDD-RYN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-DDD-RYN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-DDD-RYN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade

PW7720-DDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-DDD-RZN-TBE-P2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Mid grade tactical
PW7720-DDD-RZN-TBE-P3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, High grade tactical
PW7720-DDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-DDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-DDD-RZN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-DDD-RZN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-DDD-RZN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade
PW7720-DDN-RZN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-FDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-FDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-FDD-RYN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-FDD-RYN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-FDD-RYN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade
PW7720-FDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-FDD-RZN-TBE-P2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Mid grade tactical

PW7720-FDD-RZN-TBE-P3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, High grade tactical
PW7720-FDD-RZN-TBE-S4	PwrPak7D dual antenna enclosure containing OEM7720GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Navigation Grade
PW7720-FDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-FDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-FDD-RZN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-FDD-RZN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-FDD-RZN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade
PW7720-GDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-GDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-GDD-RYN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-GDD-RYN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720-GDD-RYN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade
PW7720-GDD-RZN-TBE-P2	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Mid grade tactical
PW7720-GDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-GDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720-GDD-RZN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720-GDD-RZN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical

PW7720-GDD-RZN-TBN-S4	PwrPak7D dual antenna enclosure containing OEM7720. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Navigation Grade
PW7720-TDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720-TDD-RZN-TBE-P2	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Mid grade tactical
PW7720-TDD-RZN-TBE-P3	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, High grade tactical
PW7720-TDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720. GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Entry level IMU

OEM7700 Series

The OEM7700 receiver includes a high vibration oscillator on all cards.

OEM7700 Card

Card

Triple-Frequency

OEM7700-TFN-RNN-TBN-S3	GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, High Grade Tactical IMU
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Dual-Frequency

OEM7700-CDN-RNN-TBN-S1	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Entry level IMU
OEM7700-CDN-RNN-TBN-S2	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Mid grade tactical
OEM7700-DDN-RNN-TBE-P1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
OEM7700-DDN-RNN-TBE-S1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Entry Level IMU
OEM7700-DDN-RNN-TBN-P1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
OEM7700-DDN-RNN-TBN-S1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Entry Level IMU
OEM7700-DDN-RNN-TBN-S2	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical IMU
OEM7700-DDN-RNN-TBN-S3	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, High Grade Tactical
OEM7700-DDN-RNN-TBN-S4	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Navigation Grade IMU
OEM7700-DDN-RYN-TBE-S1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled, Entry level IMU
OEM7700-DDN-RYN-TBN-S1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Entry Level IMU

OEM7700-GDN-RNN-TBN-S1	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled (includes heave), Entry Level/MEMS
OEM7700-PDN-RNN-TBN-S3-A	GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical, API

PwrPak7 Enclosure

Enclosure

Triple-Frequency

PW7700-FFN-RNN-TBN-P3	PwrPak7 single antenna enclosure containing OEM7700, GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, High grade tactical
PW7700-FFN-RNN-TBN-S3	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical

Dual-Frequency

PW7700-CDN-RNN-TBN-P3	PwrPak7 single antenna enclosure containing OEM7700 GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, High grade tactical
PW7700-CDN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7700-CDN-RNN-TBN-S3	PwrPak7 single antenna enclosure containing OEM7700 GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7700-DDN-RNN-TBE-S2	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements
PW7700-DDN-RNN-TBE-S3	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , High grade tactical
PW7700-DDN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
PW7700-DDN-RNN-TBN-S2	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical
PW7700-DDN-RNN-TBN-S3	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, High Grade Tactical IMU
PW7700-DDN-RNN-TBN-S4	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Navigation Grade IMU
PW7700-GDN-RNN-TBN-S2	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7700-GDN-RNN-TBN-S3	PwrPak7 single antenna enclosure containing OEM7700. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7700-TDN-RNN-TBN-S2	PwrPak7 single antenna enclosure containing OEM7700. GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical

SMART7-S Smart Antenna

SMART Antenna

Triple-Frequency

SM7S-FFN-RNN-TBN-P1

SMART7 with SPAN, GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled with Profiles, level 1 IMU

Dual-Frequency

SM7S-DDN-RNN-TBN-P1

SMART7 with SPAN, GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled with Profiles, level 1 IMU

OEM7600 Series

OEM7600 Card

Card

Dual-Frequency

OEM7600-DDN-RNN-TBE-P1

GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU

OEM7600-DDN-RNN-TBN-S1

GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Entry level IMU

OEM7600-FDN-RNN-TBE-P1

GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU

OEM7600-FDN-RNN-TBE-S1

GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled, Entry level IMU

OEM7600-GDN-RNN-TBE-P1

GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU

OEM7600-GDN-RNN-TBN-S1

GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled, Entry level IMU

OEM7600-PDN-RNN-TBE-S1

GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled, Entry level IMU

OEM719 Series

The OEM719 receiver includes a high vibration oscillator on all cards.

OEM719 Card

Card

Triple-Frequency

OEM719-FFN-RNN-TBE-P1

OEM719, GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU

OEM719-FFN-RNN-TBE-S1

GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Entry Level IMU

OEM719-FFN-RNN-TBE-S2

GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Mid Grade Tactical IMU

OEM719-FFN-RNN-TBE-S3

GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, High Grade Tactical IMU

OEM719-FFN-RNN-TBE-S4	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Navigation Grade IMU
Dual-Frequency	
OEM719C-DDN-RNN-TBN-S2	Conformal coated OEM719. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical IMU
OEM719-CDN-RNN-TBN-S2	GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
OEM719-DDN-RNN-TBN-P1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled with Profiles (includes Heave), Entry Level IMU
OEM719-DDN-RNN-TBN-S1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
OEM719-DDN-RNN-TBN-S2	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical IMU
OEM719-DDN-RNN-TBN-S3	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, High Grade Tactical IMU
OEM719-DDN-RNN-TBN-S4	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Navigation Grade IMU
OEM719-GDN-RNN-TBN-S1	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
OEM719-GDN-RNN-TBN-S2	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical

OEM719A Card

Card

Dual-Frequency

OEM719A-PDN-RNN-TBN-S1	GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
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OEM729 Series

The OEM729 receiver includes a high vibration oscillator on all cards.

OEM729 Card

Card

Triple-Frequency

OEM729-FFN-RNN-TBN-S4	GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Navigation Grade IMU
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Dual-Frequency

OEM729-DDN-RNN-TBN-S1	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
OEM729-DDN-RNN-TBN-S2	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Mid Grade Tactical IMU
OEM729-DDN-RNN-TBN-S3	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, High Grade Tactical IMU
OEM729-DDN-RNN-TBN-S4	GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Navigation Grade IMU
OEM729-GDN-RNN-TBN-S4	GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Navigation Grade IMU

OEM6® Receivers

OEM638 Series Receivers

ProPak6 BT/WIFI Enclosure for SPAN

Cable

01018388	FSAS and LCI IMU Cable with odometer connector
01019154	PROPAK6 expansion cable with 4 DB-9 Female connectors for COM7,8,9 &10 and open wires for CAN1 and CAN2 LEMO connection to ProPak6 1.3M

SPAN® Technology

SPAN Inertial Measurement Units

IMU-ISA-100 Series

Card

OEM-IMU-ISA-UIC Universal Interface Card for OEM-IMU-ISA, includes associated cabling. No IMU.

IMU

IMU-ISA-100C Northrop Grumman Litef ISA-100C IMU inside environmentally sealed enclosure. Commercial exportable. Cables included.

OEM-IMU-ISA-100C ISA-100C IMU without enclosure. Commercial exportable.

Cable

01019319 IMU Interface Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900

01019767 PwrPak7 IMU cable. This cable provides connection from DB26 connector to M12 connector in the IMU-ISA-100C, IMU-HG1900, IMU-ENC-LN200 and IMU-uIMU-IC enclosures. 2m

60723136 IMU Power Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900

60723137 Wheel sensor cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900

Other

01019843 Mounting plate for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900 enclosures

IMU-LN200

Card

OEM-IMU-LN000 Interface Card assembly for IMU-LN200

OEM-IMU-LN200-UIC Universal Interface Card for OEM-IMU-LN200, includes associated cabling. No IMU.

IMU

IMU-ENC-LN000 Cube enclosure without IMU

IMU-ENC-LN200-C LN200C IMU inside environmentally sealed enclosure. Cables included. Same performance as LN200. Non-ITAR but requires a US Dept of Commerce Re-Export License to everywhere except the USA and Canada.

IMU-LN000 Round enclosure without IMU

OEM-IMU-LN200-C LN200C IMU without enclosure. Same performance as LN200. Non-ITAR but requires a US Dept of Commerce Re-Export License to everywhere except the USA and Canada.

OEM-IMU-LN200-L LN200-L IMU without enclosure. Same gyros performance as LN200-1. Max accelerometer bias of 1.5mg.

UIMU-LN200-L Universal enclosure with LN200-L IMU (includes cable). Same gyros performance as LN200-1. Max accelerometer bias of 1.5mg.

Cable

01019319 IMU Interface Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900

01019767 PwrPak7 IMU cable. This cable provides connection from DB26 connector to M12 connector in the IMU-ISA-100C, IMU-HG1900, IMU-ENC-LN200 and IMU-uIMU-IC enclosures. 2m

60723136	IMU Power Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900
60723137	Wheel sensor cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900

Other

01019843	Mounting plate for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900 enclosures
UIMU-LN000	Universal LN200 Enclosure without IMU.

IMU-HG**Card**

OEM-IMU-H00	SDLC Interface card assembly for HG1700 IMUs with cabling.
OEM-IMU-HG1700-SDLC	SDLC (IMU Interface Card) for HG1700 IMU, includes associated cabling and IMU interface card. No IMU. Optional alternative to OEM-IMU-H00, uses locking connector and PCB based connector on the IMU. Note: SDLC boards are not interchangeable between product variants.

IMU

IMU-H00	HG1700 enclosure without an IMU (includes all cables)
IMU-H58	HG1700 enclosure with HG1700 AG58 IMU (includes all cables)
IMU-H62	HG1700 enclosure with HG1700 AG62 IMU (includes all cables)
OEM-IMU-HG1700-H58	HG1700 AG58 IMU without enclosure, formerly OEM-IMU-H58
OEM-IMU-HG1700-H62	HG1700 AG62 IMU without enclosure, formerly OEM-IMU-H62
UIMU-H58	Universal enclosure with HG1700 AG58 IMU (includes cable)
UIMU-H62	Universal enclosure with HG1700 AG62 IMU (includes cable)

Other

UIMU-H00	Universal enclosure without HG1700 IMU (includes cable)
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OEM-IMU-HG**Card**

OEM-IMU-HG1900-MIC	MIC (MEMS Interface Card) for HG1900 IMU, includes associated cabling and IMU interface card. No IMU.
OEM-IMU-HG1900-SDLC	SDLC (IMU Interface Card) for HG1900 IMU, includes associated cabling and IMU interface card. No IMU.
OEM-IMU-HG1930-MIC	MIC (MEMS Interface Card) for HG1930 IMU, includes associated cabling and IMU interface card. No IMU.
OEM-IMU-HG1930-SDLC	SDLC (IMU Interface Card) for HG1930 IMU, includes associated cabling and IMU interface card. No IMU.

IMU

OEM-IMU-HG1900-CA50	Honeywell HG1900 CA50 IMU. Designed to be paired with -2 model SPAN receivers. IMU only.
OEM-IMU-HG1930-CA50	Honeywell HG1930 CA50 IMU. Designed to be paired with -1 model SPAN receivers. IMU only.
OEM-IMU-HG4930-AN01	Honeywell HG4930 AN01 IMU. Designed to be paired with -1 model SPAN receivers. IMU only.

IMU-HG1900**Card**

OEM-IMU-HG1900-UIC	Universal Interface Card for OEM-IMU-HG1900, includes associated cabling. No IMU.
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IMU

IMU-ENC-H00	Cube enclosure without HG1900 IMU (includes all cables)
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IMU-HG1900	Honeywell HG1900CA50 IMU inside environmentally sealed enclosure. Cables included.
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Cable

01019319	IMU Interface Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900
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01019767	PwrPak7 IMU cable. This cable provides connection from DB26 connector to M12 connector in the IMU-ISA-100C, IMU-HG1900, IMU-ENC-LN200 and IMU-uIMU-IC enclosures. 2m
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60723136	IMU Power Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900
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60723137	Wheel sensor cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900
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Other

01019843	Mounting plate for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900 enclosures
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IMU-uIMU-IC

Card

OEM-IMU-uIMU-UIC	Universal Interface Card for OEM-IMU-uIMU, includes associated cabling. No IMU.
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IMU

IMU-uIMU-IC	Northrop Grumman Litef uIMU-IC IMU inside environmentally sealed enclosure. Commercial exportable. Cables included.
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OEM-IMU-uIMU-IC	uIMU IMU without enclosure. Commercial exportable.
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Cable

01019319	IMU Interface Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900
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01019767	PwrPak7 IMU cable. This cable provides connection from DB26 connector to M12 connector in the IMU-ISA-100C, IMU-HG1900, IMU-ENC-LN200 and IMU-uIMU-IC enclosures. 2m
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60723136	IMU Power Cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900
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60723137	Wheel sensor cable for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900
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Other

01019843	Mounting plate for IMU-ISA-100C, IMU-ENC-LN200, IMU-uIMU-IC, and IMU-HG1900 enclosures
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IMU-CPT

IMU

IMU-CPT	Tactical-Grade IMU containing fiber optic gyroscopes and MEMS accelerometers. Standalone IMU offering based on the SPAN-CPT
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IMU-CPT-FP-6	Tactical-Grade IMU containing fiber optic gyroscopes and MEMS accelerometers. Standalone IMU offering based on the SPAN-CPT. This item will contain all necessary cables to connect to a FlexPak6 receiver.
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Cable

01018948	FlexPak6 breakout cable for operating with the IMU-CPT-FP-6 by bridging the VARF line out to the IMU for timing.
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01018966 Terminated DB-9 & USB IMU-CPT-6 power/data cable for use with FlexPak 6 SPAN capable receiver.

IMU-KVH1750

IMU

IMU-KVH1750 Tactical-Grade IMU 1750 from KVH Industries containing fiber optic gyroscopes and MEMS accelerometers. Designed to be paired with -2 model SPAN receivers. Includes cable to connect to a ProPak6 receiver.

IMU-KVH1750-FP6 Tactical-Grade IMU 1750 from KVH Industries containing fiber optic gyroscopes and MEMS accelerometers. Designed to be paired with -2 model SPAN receivers. Includes cable to connect to a FlexPak6 receiver.

IMU-KVH1750-NC Tactical-Grade IMU 1750 from KVH Industries containing fiber optic gyroscopes and MEMS accelerometers. Designed to be paired with -2 model SPAN receivers. No cable is included.

Cable

01019211 IMU-KVH1750 power/data cable for use with FlexPak6 and ProPak6 SPAN capable receivers.

IMU-IGM

IMU

IMU-IGM-A1 ADIS16488 IMU in an Enclosure. Small lightweight enclosure with Analog Devices MEMS IMU. For use with SPAN S1 receiver models

IMU-IGM-S1 STIM300 IMU in an Enclosure. Small lightweight enclosure with Sensoror MEMS IMU. For use with SPAN S1 receiver models

OEM-IMU-ADIS

Card

OEM-IMU-ADIS-MIC MIC (MEMS Interface Card) for ADIS series IMUs. Not required for OEM7 integrations. Includes associated cabling and IMU interface card. No IMU.

IMU

OEM-IMU-ADIS-16488 ADIS16488 IMU. Designed to be paired with S1 model SPAN receivers. IMU only.

OEM-IMU-STIM

IMU

OEM-IMU-STIM300 Sensoror STIM300 IMU. Designed to be paired with S1 model SPAN receivers. IMU only.

OEM-IMU-STIM-MIC MIC (MEMS Interface Card) for STIM series IMUs. Not required for OEM7 integrations. Includes associated cabling and IMU interface card. No IMU.

OEM-IMU-EPSON

IMU

OEM-IMU-EG320N Epson G320N IMU. Designed to be paired with S1 model OEM7 SPAN receivers. IMU only.

PwrPak7-E1

GNSS-INS Enclosure

Triple-Frequency

PW7700E1-FFN-RNN-TBN-P1 PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled with Profiles (includes Heave), Entry Level IMU

PW7700E1-FFN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/L5/E1/E5a/E5b/AltBOC/B1/B2/B3, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
PW7700E1-TFN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO+GAL, L1/L2/L5/E1/E5a/E5b/AltBOC, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
Dual-Frequency	
PW7700E1-CDN-RNN-TBN-P1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled with Profiles (includes Heave), Entry Level IMU
PW7700E1-CDN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
PW7700E1-DDN-RNN-TBE-P1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled with Profiles (includes Heave), Entry Level IMU
PW7700E1-DDN-RNN-TBN-P1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled with Profiles (includes Heave), Entry Level IMU
PW7700E1-DDN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
PW7700E1-DDN-RNN-TBN-S3	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMUGPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7700E1-DDN-RNN-TBN-S4	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU, GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Navigation Grade
PW7700E1-FDN-RNN-TBE-P1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5b/B1/B2, NovAtel CORRECT RTK+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled with Profiles (includes Heave), Entry Level IMU
PW7700E1-GDN-RNN-TBN-P1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled with Profiles (includes Heave), Entry Level IMU
PW7700E1-GDN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
PW7700E1-GDN-RNN-TBN-S3	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMUGPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7700E1-PDN-RNN-TBN-P1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled with Profiles (includes Heave), Entry Level IMU
PW7700E1-PDN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Entry Level IMU
PW7700E1-TDN-RNN-TBN-S1	PwrPak7 single antenna enclosure containing OEM7700 with Epson G320N MEMS IMU. GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU

Cable

01019764

PwrPak7 power cable, unterminated. 2m

01019765	PwrPak7 COM1 cable, DB26 female to DB9 female, 2m
01020004	PwrPak7 Family All I/O Cable. This cable provides access to all of the signals available on the PwrPak7 family DB26 connector. It is a DB26 to 3 DB9 and 1 DB15 connectors. It also supports direct connection to SPAN IMU through Com2. 30cm
01020005	PwrPak7 DB15 to all event lines cable. This cable connects to PwrPak7 all I/O cable 01020004 DB15 connector and breaks out to all event lines (including PPS and CAN). 2m
60723175	PwrPak7 USB Micro A to USB A cable, 2m

Warranty

EW-1-A-PW7700E1	One-year extended warranty for PwrPak7-E1 enclosures for purchase after sale of product
EW-1-T-PW7700E1	One-year extended warranty for PwrPak7-E1 enclosures for purchase at time of sale
EW-2-A-PW7700E1	Two-year extended warranty for PwrPak7-E1 enclosures for purchase after sale of product
EW-2-T-PW7700E1	Two-year extended warranty for PwrPak7-E1 enclosures for purchase at time of sale

PwrPak7D-E1

GNSS-INS Enclosure

Dual-Frequency

PW7720E1-CDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-CDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-CDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-CDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-CDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-DDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-DDD-RYN-TBN-P2	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU, GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Mid grade tactical
PW7720E1-DDD-RYN-TBN-R1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Relative INS, Entry level IMU

PW7720E1-DDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-DDD-RYN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMUGPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720E1-DDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-DDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-DDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-DDD-RZN-TBN-S2	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Mid grade tactical
PW7720E1-DDD-RZN-TBN-S3	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMUGPS+GLO, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , High grade tactical
PW7720E1-DDN-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU, GPS+GLO, L1/L2, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-FDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-FDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-FDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-FDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-FDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-GDD-RYN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-GDD-RYN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU

PW7720E1-GDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-GDD-RZN-TBN-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-GDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS, L1/L2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-PDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+BDS, L1/L2/B1/B2, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-TDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
PW7720E1-TDD-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GLO+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-TDN-RZN-TBN-S1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU, GPS+GLO+GAL, L1/L2/E1/E5b, Single Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
PW7720E1-WDD-RZN-TBE-P1	PwrPak7D dual antenna enclosure containing OEM7720 with Epson G320N MEMS IMU. GPS+GAL, L1/L2/E1/E5b, Dual Antenna Activation, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU

Cable

01020004	PwrPak7 Family All I/O Cable. This cable provides access to all of the signals available on the PwrPak7 family DB26 connector. It is a DB26 to 3 DB9 and 1 DB15 connectors. It also supports direct connection to SPAN IMU through Com2. 30cm
01020005	PwrPak7 DB15 to all event lines cable. This cable connects to PwrPak7 all I/O cable 01020004 DB15 connector and breaks out to all event lines (including PPS and CAN). 2m

Warranty

EW-1-A-PW7720E1	One-year extended warranty for PwrPak7D-E1 enclosures for purchase after sale of product
EW-1-T-PW7720E1	One-year extended warranty for PwrPak7D-E1 enclosures for purchase at time of sale
EW-2-A-PW7720E1	Two-year extended warranty for PwrPak7D-E1 enclosures for purchase after sale of product
EW-2-T-PW7720E1	Two-year extended warranty for PwrPak7D-E1 enclosures for purchase at time of sale

SPAN CPT7

GNSS-INS Enclosure

Dual-Frequency

SPAN CPT7-CDD-RYN-TBE-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Entry level IMU
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SPANCPT7-CDD-RYN-TBN-P1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
SPANCPT7-CDD-RYN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7-DDD-RYN-TBE-P1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
SPANCPT7-DDD-RYN-TBE-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Entry level IMU
SPANCPT7-DDD-RYN-TBN-R1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU, GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN Enabled, Relative INS, Entry level IMU
SPANCPT7-DDD-RYN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7-DDD-RZN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7-FDD-RYN-TBE-P1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN Enabled, Profiles/Heave enabled, Entry level IMU
SPANCPT7-FDD-RYN-TBE-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, Interference Mitigation, SPAN enabled , Entry level IMU
SPANCPT7-FDD-RZN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO+GAL+BDS, L1/L2/E1/E5B/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7-GDD-RYN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU, GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7-GDD-RZN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7NC-GDD-RYN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU, GPS, L1/L2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Relative Positioning, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU. No cables variant.
SPANCPT7-PDD-RZN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+BDS, L1/L2/B1/B2, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7-TDD-RZN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GLO+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU
SPANCPT7-WDD-RZN-TBN-S1	SPAN CPT7 dual antenna enclosure containing OEM7720 with Honeywell HG4930 MEMS IMU. GPS+GAL, L1/L2/E1/E5b, NovAtel CORRECT RT2+PPP+Single Point+DGPS PNT, ALIGN Heading, 20 Hz Data Output Rate, Base Station Corrections + Measurements, SPAN enabled , Entry level IMU

Cable

60723180	Terminated SPAN CPT7 I/O1 power/data cable
60723181	Terminated SPAN CPT7 I/O2 power/data cable

Other

01020112	Adapter mounting plate for SPAN CPT7 compatible with SPAN-CPT6 and SPAN-IGM mounting patterns.
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SPAN-IGM-A1**GNSS-INS Enclosure****Dual-Frequency**

SPN-IGM-A1-D2Q-MPR-TT0-S1	Integrated SPAN receiver and ADIS16488 IMU in an Enclosure. Small lightweight enclosure with Analog Devices MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS plus GLONASS. Includes OEM615-D2Q-MPR-TT0-S1
SPN-IGM-A1-D2Q-RPR-TT0-S1	Integrated SPAN receiver and ADIS16488 IMU in an Enclosure. Small lightweight enclosure with Analog Devices MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS plus GLONASS. Includes OEM615-D2Q-RPR-TT0-S1
SPN-IGM-A1-G2Q-MPR-TT0-S1	Integrated SPAN receiver and ADIS16488 IMU in an Enclosure. Small lightweight enclosure with Analog Devices MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS only. Includes OEM615-G2Q-MPR-TT0-S1
SPN-IGM-A1-G2Q-RPR-TT0-S1	Integrated SPAN receiver and ADIS16488 IMU in an Enclosure. Small lightweight enclosure with Analog Devices MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS only. Includes OEM615-G2Q-RPR-TT0-S1

Other

01019014	Data and power cable for SPAN-IGM.
01019015	Data and I/O cable for SPAN-IGM and IMU-IGM. This cable is included with SPAN-IGM, but can be purchased separately to allow access to odometer pins on IMU-IGM.
01019016	Power and data cable for IMU-IGM.
01019040	IMU-IGM bracket kit. Used to mount FlexPak6 with IMU-IGM. Includes stack-up cable
01019091	SPAN-IGM ALIGN bracket kit. Used to mount FlexPak6 ALIGN rover with SPAN-IGM. Includes stack-up cable

SPAN-IGM-S1**GNSS-INS Enclosure****Dual-Frequency**

SPN-IGM-S1-D2Q-MPR-TT0-S1	Integrated SPAN receiver and STIM300 IMU in an Enclosure. Small lightweight enclosure with Sensoror MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS plus GLONASS. Includes OEM615-D2Q-MPR-TT0-S1
SPN-IGM-S1-D2Q-RPR-TT0-S1	Integrated SPAN receiver and STIM300 IMU in an Enclosure. Small lightweight enclosure with Sensoror MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS plus GLONASS. Includes OEM615-D2Q-RPR-TT0-S1
SPN-IGM-S1-D2Q-RPR-TT0-W1	Integrated SPAN receiver and STIM300 IMU in an Enclosure. Small lightweight enclosure with Sensoror MEMS IMU with SPAN OEM6 GNSS/INS engine. Heave message enabled. GPS plus GLONASS. Includes OEM615-D2Q-RPR-TT0-W1
SPN-IGM-S1-G2Q-MPR-TT0-S1	Integrated SPAN receiver and STIM300 IMU in an Enclosure. Small lightweight enclosure with Sensoror MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS only. Includes OEM615-G2Q-MPR-TT0-S1
SPN-IGM-S1-G2Q-RPR-TT0-S1	Integrated SPAN receiver and STIM300 IMU in an Enclosure. Small lightweight enclosure with Sensoror MEMS IMU with SPAN OEM6 GNSS/INS engine. GPS only. Includes OEM615-G2Q-RPR-TT0-S1
SPN-IGM-S1-G2Q-RPR-TT0-W1	Integrated SPAN receiver and STIM300 IMU in an Enclosure. Small lightweight enclosure with Sensoror MEMS IMU with SPAN OEM6 GNSS/INS engine. Heave message enabled. GPS only. Includes OEM615-G2Q-RPR-TT0-W1

SPAN-CPT-6**GNSS-INS Enclosure****Dual-Frequency**

SPAN-CPT-D2J-MPR-TTN-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS+GLONASS, L1/L2, SBAS/L-Band/QZSS, Relative INS, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-D2J-RPR-TTN-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS+GLONASS, L1/L2, SBAS/L-Band/QZSS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-D2J-RPR-TTN-W1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. Heave enabled, GPS+GLONASS, L1/L2, SBAS/L-Band/QZSS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-D2S-RPR-TT0-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS+GLONASS, L1/L2, SBAS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions
SPAN-CPT-G2J-MPR-TTN-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS, L1/L2, SBAS/L-Band/QZSS, Relative INS, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-G2J-RPR-TTN-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS, L1/L2, SBAS/L-Band/QZSS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-G2J-RPR-TTN-W1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. Heave enabled, GPS, L1/L2, SBAS/L-Band/QZSS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-P2J-RPR-TTN-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS+BEIDOU, L1/L2/B1, SBAS/L-Band/QZSS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-PDQ-MPR-TTN-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS+BEIDOU, L1/L2/B1/B2, SBAS/QZSS, Relative INS, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-PDQ-RPR-TTN-S1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. GPS+BEIDOU, L1/L2/B1/B2, SBAS/QZSS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP
SPAN-CPT-PDQ-RPR-TTN-W1	Single-enclosure containing OEM628 GNSS receiver, fiber optic gyros, and MEMS accelerometers. Heave enabled, GPS+BEIDOU, L1/L2/B1/B2, SBAS/QZSS, NovAtel CORRECT RT-2 Base/Rover, NovAtel CORRECT PPP, GLIDE/RAIM, 20 Hz Measurements, 20 Hz Positions, NTRIP

Cable

60723108	Terminated DB-9 & USB SPAN-CPT power/data cable
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SPAN Accessories**Other**

IMAR-IMWS-V2	iMAR Magnetic Wheel hardware, including magnetic strip, compatible with IMU-FSAS-EI-O, not RoHS-compliant
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Waypoint® Products Group

Waypoint software is available with keyless electronic licensing. Unless specified, licenses are perpetual (non-expiring) and include one year of post-contractual support (PCS).

GrafNav/GrafNet®

NovAtel offers a complete selection of static and kinematic GNSS post-processing software.

GrafNav/GrafNet Software License

Software

SW-PP-R-GNST-NT	GrafNav/GrafNet Static-only post-processing software. Perpetual license with one-year post-contractual support maintenance. Single-seat, software-based license (No USB Dongle).
SW-PP-R-GNST-T1	GrafNav/GrafNet Static-only post-processing software. One-year term license. Single-seat, software-based license (No USB Dongle).
SW-PP-R-GNVT-D	GrafNav/GrafNet post-processing software demo. 7-day time-limited software-based license for product evaluation.
SW-PP-R-GNVT-NT	GrafNav/GrafNet post-processing software including GrafMov moving baseline option. Perpetual license with one-year post-contractual support maintenance. Single-seat, software-based license (No USB Dongle).
SW-PP-R-GNVT-T1	GrafNav/GrafNet post-processing software including GrafMov moving baseline option. One-year term license. Single-seat, software-based license (No USB Dongle).

GrafNav/GrafNet PCS

Software

SW-UD-PP-R-GNST-T1	1 year PCS Maintenance extension for GrafNav Static (Software License)
SW-UD-PP-R-GNST-T2	2 year PCS Maintenance extension for GrafNav Static (Software License)
SW-UD-PP-R-GNST-T3	3 year PCS Maintenance extension for GrafNav Static (Software License)
SW-UD-PP-R-GNVT-T1	1 year PCS Maintenance extension for GrafNav (Software License)
SW-UD-PP-R-GNVT-T2	2 year PCS Maintenance extension for GrafNav (Software License)
SW-UD-PP-R-GNVT-T3	3 year PCS Maintenance extension for GrafNav (Software License)

GrafNav/GrafNet Product Upgrades

Software

SW-UG-PP-R-GNST-NT	Upgrade to retail license of GrafNav Static - software licensed
SW-UG-PP-R-GNVT-NT	Upgrade to retail license of GrafNav - software licensed

GrafNav/GrafNet USB Key Exchanges

Other

SW-EX-PP-R-GNST-NT	Exchange USB key for a new key-less license of GrafNav/GrafNet (Static Only)
SW-EX-PP-R-GNVT-NT	Exchange USB key for a new key-less license of GrafNav/GrafNet

Inertial Explorer®

Inertial Explorer Software License

Software

SW-PP-R-IE-D	Inertial Explorer post-processing software demo. 7-day time-limited software-based license for product evaluation.
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SW-PP-R-IE-NT	Inertial Explorer post-processing software. Perpetual license with one-year post-contractual support maintenance. Single-seat, software-based license (No USB Dongle).
SW-PP-R-IE-T1	Inertial Explorer post-processing software. One-year term license Single-seat, software-based license (No USB Dongle).
SW-PP-R-IE-X-3MO	Inertial Explorer Xpress post-processing software. 3-month term license Single-seat, software-based license (No USB Dongle).
SW-PP-R-IE-X-6MO	Inertial Explorer Xpress post-processing software. 6-month term license Single-seat, software-based license (No USB Dongle).
SW-PP-R-IE-X-D	Inertial Explorer Xpress post-processing software demo. 7-day time-limited software-based license for product evaluation.
SW-PP-R-IE-X-T1	Inertial Explorer Xpress post-processing software. 1-year term license Single-seat, software-based license (No USB Dongle).
SW-PP-R-NRT-D	TerraStar-NRT service license demo. 7-day time-limited software-based license for product evaluation.
SW-PP-R-NRT-NT-12MO	1-year TerraStar-NRT service (Software License). Sold as an add-on to a Waypoint Perpetual license
SW-PP-R-NRT-T1	1-year TerraStar-NRT service license (Software License). Sold as an add-on to a Waypoint Term license.

Inertial Explorer PCS

Software

SW-UD-PP-R-IE-T1	1 year PCS Maintenance extension for Inertial Explorer (Software License)
SW-UD-PP-R-IE-T2	2 year PCS Maintenance extension for Inertial Explorer (Software License)
SW-UD-PP-R-IE-T3	3 year PCS Maintenance extension for Inertial Explorer (Software License)

Inertial Explorer Product Upgrades

Software

SW-UG-PP-R-IE-NT	Upgrade to retail license of Inertial Explorer - software licensed
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Other

SW-EX-PP-R-IE-NT	Exchange USB key for a new key-less license of Inertial Explorer
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Professional Services

NovAtel offers in-house training and customer support on request.

Professional Services

Consulting Services

On Site Consulting or Support

Consulting-Daily	Full, 7.5-hour day
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Consulting-Hourly	Each hour, only available in addition to one or more full days
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Customer Training

In House Training

Training-In-House-Daily	Full, 7.5-hour day, per person
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Training-On-Site-Daily	Full, 7.5-hour day, per class
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Antennas

NovAtel provides a wide range of antennas for any GNSS application.

NovAtel Antennas

Component Antennas

Triple Frequency Components

Dual-Frequency

PINWHEEL-OEM L1/L2/L5/E1/E5a-b/B1/B2/L-band GNSS OEM Pinwheel antenna module

Compact Antennas

2.6" CIRCULAR PATCH

Triple-Frequency

ANT-2GNSSA-TW Active L1/L2/L5/L-Band GPS and L1/L2 GLONASS Antenna, 2.6" circular, Fixed Mount Configuration, TNC-connector, white

Single-Frequency

ANT-26C1GOA-196MNSB Active L1/L-Band GPS/GLONASS Antenna, 2.6" circular, 33 dB, magnet or screw mount, 5 m cable with SMA connector, black

3.5" CIRCULAR PATCH

GNSS-303L Active L1/L2/L5/L-Band GPS and L1/L2 GLONASS Antenna, 3.53" circular, Fixed Mount configuration, 26 dB, TNC-connector, white

Dual-Frequency

GPS-302-40 Active L1/L2 GPS Antenna, 3.5" circular, 40 dB, TNC connector, white

Single-Frequency

GPS-301 Active L1 GPS Antenna, 3.53" circular, 26 dB, TNC connector, white

Fixed Reference Antennas

Deliver exceptional availability and high precision in permanently installed and continuously operating applications. Typical applications include: network RTK reference stations, CORS systems

750-GNSS Antenna

Quadruple-Frequency

GNSS-750 Active GPS L1/L2/L2C/L5, GLONASS L1/L2/L3, Galileo L1/E5/E5a/E5b/E6, Compass B1/B2/B3, and L-band signals, Choke-ring, N connector

CHOKE RING

Triple-Frequency

ANT-72GNSSA-TW Active L1/L2/L5/L-Band GPS and L1/L2 GLONASS, small choke ring configuration, TNC-connector, white

Dual-Frequency

ANT-C2GA-TW-N Active L1/L2 GPS Antenna, choke-ring, 26 dB, TNC connector, white

High Performance Antennas

Provide the performance of a choke ring antenna without the size and weight. Typical applications include: survey, ground mapping, agriculture, construction & mining, temporary and permanent reference stations

703-GGG Antenna

Triple-Frequency

GPS-703-GGG-HV L1/L2/L5 GPS, L1/L2/L3 GLONASS, B1/B2 BeiDou, E1/E5a-b Galileo kinematic, zero-offset antenna, high-vibration option, TNC connector

713-GGG(L) Antenna

Triple frequency antenna designed for marine applications with improved rejection against Inmarsat signals.

Triple-Frequency

GPS-713-GGGL-N	L1/L2/L5 GPS, L1/L2/L3 GLONASS, B1/B2 BeiDou, E1/E5a-b Galileo. L-band kinematic, zero-offset antenna, Inmarsat rejection, N connector
GPS-713-GGG-N	L1/L2/L5 GPS, L1/L2/L3 GLONASS, B1/B2 BeiDou, E1/E5a-b Galileo kinematic, zero-offset antenna, Inmarsat rejection, N connector

702-GG Antenna**Dual-Frequency**

GPS-702-GG-HV	L1/L2, GPS + GLONASS, kinematic, zero-offset antenna, TNC connector, high vibe option
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704-X**Quadruple-Frequency**

GPS-704-X	Passive antenna suitable for receiving GPS L1/L2/L5, Galileo E1/E5a/E5b/E6, GLONASS L1/L2, BeiDou B1, B2,B3 and L-Band, TNC Connector
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GNSS-500 Antenna**Dual-Frequency**

GNSS-502	L1/L2 GPS+GLONASS, BeiDou B1/B2, Galileo E1/E5b, L-band, kinematic, zero-offset antenna, TNC connector
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Single-Frequency

GNSS-501	L1 GPS+GLONASS, BeiDou B1, Galileo E1, L-band, kinematic, zero-offset antenna, TNC connector
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GNSS-800 Antennas**Quadruple-Frequency**

GNSS-850	L1/L2/L2C/L5 GPS, L1/L2/L3 GLONASS, B1/B2/B3 BeiDou, E1/E5/E5a/E5b/E6 Galileo, L-band, kinematic, zero-offset antenna, TNC connector
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Dual-Frequency

GNSS-802	L1/L2 GPS+GLONASS, kinematic, zero-offset antenna, TNC connector
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GNSS-802L	L1/L2 GPS+GLONASS, B1 BeiDou, E1 Galileo, L-band, kinematic, zero-offset antenna, TNC connector
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GNSS-804	L1/L2 GPS, L1/L2 GLONASS, B1/B2 BeiDou, E1/E5b Galileo, kinematic, zero-offset antenna, TNC connector
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GNSS-804L	L1/L2 GPS, L1/L2 GLONASS, B1/B2 BeiDou, E1/E5b Galileo, L-band, kinematic, zero-offset antenna, TNC connector
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NovAtel Antenna Accessories**Antenna cables**

GPS-C006	5 meter RF cable with straight TNC male plug connectors (for GPS-xxx antennas), RoHS compliant
GPS-C016	15 meter RF cable with straight TNC male plug connectors (for GPS-xxx antennas), RoHS compliant
GPS-C032	30 meter, low-loss RF cable with straight TNC male plug connectors (for GPS-xxx antennas), RoHS compliant
60723154	15 cm RF cable with straight SMA male to TNC male connectors
60723178	5 meter RF cable with straight SMA to TNC connectors
60723177	2.5 meter RF cable with straight SMA male to TNC male connectors

Antenna Accessories

12023172	Magnetic antenna mount (4" standoff) with 5/8"-11 threads, RoHS-compliant
12023274	Magnetic antenna mount (4" standoff) with 1"-14 threads, RoHS-compliant
01018195	Optional radome for GNSS-750 antenna

Radio Antenna

12023313	450 MHz Antenna, 5 dBi, 450-470MHz MHz, NMO
12023314	900 MHz Antenna, 5 dBi, 806-970 MHz MHz, NMO

Antcom Antennas

These Antcom antennas are available to order through NovAtel but will be drop shipped directly to the customer by Antcom. PLEASE NOTE THAT LEAD TIMES FOR THE ANTCOM PARTS ARE SHOWN IN THE PART DESCRIPTIONS. NOVATEL STANDARD LEAD TIMES DO NOT APPLY. Please contact NovAtel for a confirmation of the lead times when ordering these Antcom antennas. Some Antcom antennas are restricted for sale or distribution in certain regions. These antennas are highlighted by "*** RESTRICTED FROM SALE IN CERTAIN REGIONS – Contact NovAtel for further information." in the antenna description.

Compact Antcom Antennas

ARINC 743

Triple-Frequency

GNSS-303L-A	Active L1/L2/L5/L-Band GPS and L1/L2 GLONASS Antenna, Avionic Arinc 743 configuration, 26 dB TNC-connector, white
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Dual-Frequency

GPS-302L-A40	Active L1/L2/L-Band GPS Antenna, Arinc 743, 40 dB, TNC connector, white
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GPS-302L-A	Active L1/L2/L-Band GPS Antenna, Arinc 743, 26 dB, TNC connector, white
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GPS-302-A	Active L1/L2 GPS Antenna, Arinc 743, 26 dB TNC connector, white
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GNSS-302L-A	Active L1/L2 GPS, L1/L2 GLONASS, and L-band Antenna, Arinc 743, 26 dB, TNC Connector, white
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Single-Frequency

GNSS-301L-A40	Active L1/L-Band GPS/GLONASS Antenna, Arinc 743, 40 dB, TNC connector, white
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Appendix 1 - Software Part Number Description for OEM7

Note: this table is for reference only. Not all combinations are possible on all products. See specific product sections of the price list for details on specific products.

Channel Configuration			CORRECT Positioning			Output and Interference Toolkit			SPAN		Options			
Constellation	Frequency	Antennas	CORRECT Positioning	Heading	Reserved	Max Output Rate (Hz)	Measurement Correction Output	Interference Toolkit	(optional) INS Mode	(optional) IMU Grade	(reserved)	(reserved)	(optional) API	(optional) High Speed
char[1]	char[2]	char[3]	char[4]	char[5]	char[6]	char[7]	char[8]	char[9]	char[10]	char[11]	char[12]	char[13]	char[14]	char[15]
G GPS Only	S Single Frequency L1/E1/B1	N Normal / Single Ant.	L Pseudorange Positioning	Z Heading	N None	T 20 Hz	M Measurements	E Enable Mitigation	S SPAN enabled	1 Entry level IMU	↕	↕	A User App	H High Speed
D GPS + GLO	S Single Frequency L1/E1/B1	N Normal / Single Ant.	L Pseudorange Positioning	Y Z + Moving Baseline		C 100 Hz	B M + Corrections	E Enable Mitigation	P Profiles, Includes Heave	2 Mid grade Tactical IMU				
W GPS + GAL	D Dual Frequency L2 / E5b / B2	D Dual Ant. Activation	P L + TerraStar C	N None		N 0 Hz	N None	N None	R Relative INS	3 High grade tactical IMU				↕ No high speed
P GPS + BDS	F All Frequencies		R P + RTK Rover						K Generic IMU Interface	4 Navigation grade IMU				
T GPS + GLO + GAL			N None						↕ No Span	N Disabled				
C GPS + GLO + BDS										↕ No SPAN				
F GPS + GLO + GAL + BDS														

char[3] N for all single-antenna boards; for dual-antenna boards select N to activate only the primary antenna or D to activate both

char[4] Pseudorange positioning includes basic single point positioning, DGPS / DGNSS, GLIDE, and TerraStar-L PPP

char[4] To use TerraStar-L or TerraStar-C, a subscription from TerraStar is required

char[7] Option N will still allow measurement logs to be output at 1 Hz, but all pseudoranges and ADR data will be set to zero (measurement outputs option bit is not enabled), and positions are disabled

char[9] Option N will still allow spectral analysis and interference detection

Appendix 2 - Software Part Number Description for OEM6

Note: this table is for reference only. Not all combinations are possible on all products. See specific product sections of the price list for details on specific products.

Channel Configuration			Positioning Options			Logging Rates and COMS			SPAN		Options			
Constellation	Frequency	Other Systems	RTK Positioning	Other Positioning	Pseudorange Positioning	Measurement Output Rate (Hz)	Position Rate (Hz)	Correction Service	(optional) INS Mode	(optional) IMU Grade	(reserved)	(reserved)	(optional) API	(optional) High Speed
char[1]	char[2]	char[3]	char[4]	char[5]	char[6]	char[7]	char[8]	char[9]	char[10]	char[11]	char[12]	char[13]	char[14]	char[15]
G GPS Only	1 L1/E1/B1	J QZSS/SBAS /L-Band	R RTK Fixed/float, RTK Tx, DGPS	P PPP	P Default Positioning	T 20 Hz	T 20 Hz	S Scintillation Monitor	S SPAN Enabled	1 Low quality / MEMS	↕	↕	A API	H High Speed
D GPS + GLO	2 L1/L2/E1/B1		Z ALIGN, Heading Only	0 None	G GLIDE	F 50 Hz	F 50 Hz	N NTRIP	W SPAN + Heave	2 Low grade tactical			P Internal NovAtel API Only	↕ No high speed
W GPS + GAL	5 L1/L2/L5/E1/E5a/B1	Q QZSS/SBAS	Y Z + Relative Positioning		R GLIDE, RAIM	C 100 Hz	C 100 Hz	0 Disabled	↕ No Span	3 High grade tactical				
P GPS + BDS	D L1/L2/E1/E5b	L SBAS/L-Band	B RTK Tx, DGPS Tx/Rx		0 None	0 1 Hz	0 Disabled	0 Disabled		4 Navigation grade				
T GPS + GLO + GAL	A L1/L2/L5/E1/E5a	S SBAS	T DGPS Tx/Rx							0 Disabled				
C GPS + GLO + BDS	B1/B2	0 None	X Z for OEM617D							↕ No SPAN				
F GPS + GLO + GAL + BDS	E5b/AltBOC/B1/B2		W Y for OEM617D											
			M Relative INS (SPAN models only)											

char[7] Option 0 will still allow measurement logs to be output at 1 Hz, but all pseudoranges and ADR data will be set to zero (measurement outputs option bit is not enabled)