OEM719

Multi-frequency, backward compatible GNSS receiver supports all modern signals

High-precision GNSS, backward compatible
The multi-frequency OEM719 offers future-ready precise positioning for space-constrained applications. Advanced interference mitigation features maintain high performance in challenging environments. The OEM719 provides the most efficient way to bring powerful Global Navigation Satellite System (GNSS) capable products to market quickly. It is form factor and pin-compatible with the popular OEM615 and OEM617 receivers from Hexagon | NovAtel. With centimetre-level positioning utilising TerraStar satellite-delivered correction services, the OEM719 ensures globally available, high-performance positioning without the need for expensive network infrastructure. Anywhere. Anytime.

Built-in flexibility
The OEM719 can be configured in multiple ways for maximum flexibility. OEM7 firmware from NovAtel allows users to configure the OEM719 for their unique application needs. The OEM719 is scalable to offer sub-metre to centimetre-level positioning and is field upgradeable to all OEM7 family software options. These options include ALIGN for precise heading and relative positioning, GLIDE for decimetre-level pass-to-pass accuracy, SPAN GNSS+INS technology for continuous 3D position, velocity and attitude, and GNSS Resilience and Integrity Technology (GRIT) for advanced positioning protection. RTK delivers centimetre-level real-time positioning, or it can go base-free for centimetre and decimetre PPP solutions using TerraStar corrections.

To learn more about how our firmware solutions can enhance your positioning, visit novatel.com/products/firmware-options-pc-software/gnss-receiver-firmware-options.

Features
- High position availability with multi-constellation, multi-frequency tracking and high data rate
- TerraStar Correction Services supported over multi-channel L-Band and IP connections
- Spoofing detection, interference detection and mitigation provided by GRIT
- RTK, GLIDE and STEADYLINE firmware options
- Simple to integrate, small form factor with 20 g vibration performance rating
- Compatible with existing OEM615 and OEM617 integrations
- SPAN GNSS+INS technology integration bridges 3D positioning through GNSS outages in difficult environments

Designed with the future in mind
The OEM719 can track all current and upcoming GNSS constellations including GPS, GLONASS, Galileo, BeiDou, QZSS and NavIC. It is software upgradeable to track modernised signals as they become available.
Contact Hexagon | NovAtel

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For the most recent details of this product: novatel.com

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