



OEM6® Receivers

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OEM615

OEM615™ Dual-Frequency GNSS Receiver

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The dual-frequency OEM615 offers future ready, precise positioning for space constrained applications. Backward compatible with NovAtel's popular OEMV-1 form factor, the OEM615 provides the most efficient way to bring powerful Global Navigation Satellite System (GNSS) capable products to market quickly.

Features

- Increased satellite availability with GLONASS tracking
- L1, L2, L2C, B1 and E1 signal tracking
- GLIDE® smoothing algorithm
- RT-2®, ALIGN and RAIM firmware options
- SPAN® INS functionality

Benefits

- Proven NovAtel technology
- Easy to integrate
- Low power consumption
- API reduces hardware requirements and system complexity

Attributes

System Type	Board	
General Info	Length (mm)	71.00
	Width/Diameter (mm)	46.00
	Height (mm)	11.00
	Weight (g)	24.00
	Typical Power Consumption (W)	1.00
Constellation	GPS	
	GLONASS	
	Galileo	
	BeiDou	
Tracking	Max Num of Frequency	Dual
	SBAS	
	QZSS	
Number of Com Ports	CAN Bus	
	LVTTTL	
	USB Device	
Performance	Accuracy	
	Single Point L1	
	Single Point L1/L2	
	SBAS	

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Designed with Performance and the Future In Mind

The OEM615 tracks all current and upcoming GNSS constellations and satellite signals including GPS, GLONASS, Galileo, BeiDou and QZSS. It features configurable channels to optimize satellite availability in any condition, no matter how challenging. The OEM615 is software upgradable to track future signals as they become available. Maximizing satellite availability and optimizing GNSS signal usage now, and in the future, ensures consistent, high performance GNSS positioning.

Designed for Flexibility

The modular nature of NovAtel's OEM6® firmware gives users the flexibility to configure the OEM615 for their unique application needs. The OEM615 is scalable to offer sub-metre to centimetre level positioning, and is field upgradable to all OEM6 family software options. Options include RTK for centimetre level real-time positioning, ALIGN® for precise heading and relative positioning, GLIDE for decimetre level pass-to-pass accuracy and RAIM for increased GNSS pseudorange integrity.

Customization with an API

Application Programming Interface (API) functionality is available on the OEM615. Using a recommended compiler with the API library, an application can be developed in a standard C/C++ environment to run directly on the receiver platform, eliminating system hardware, reducing development time and resulting in a faster time to market.