



RECEIVERS

NovAtel's family of Global Navigation Satellite System (GNSS) receivers sets the standard in positioning performance, features and ease of integration.

Our precise thinking has culminated in industry-leading innovations allowing unsurpassed positioning performance offered on a variety of receiver form factors.

NovAtel GNSS receivers deliver GPS+GLONASS positioning performance, GPS modernization (L2C and L5), patented Pulse Aperture Correlation (PAC) multipath mitigation and integrated L-band. Our AdVance® RTK centimetre-level positioning, ALIGN® heading technology and GL1DE® relative positioning algorithm are all leading-edge features of the NovAtel receiver family.

User-configurable and upgradeable firmware, Application Programming Interface (API) and a common user interface are standard on all NovAtel receiver products.

For comprehensive receiver information, visit www.novatel.com/products/gnss-receivers



PRECISE THINKING MAKES IT POSSIBLE

NovAtel is an original equipment manufacturer (OEM) that designs, manufactures and sells high-precision Global Navigation Satellite System (GNSS) positioning technology.

Our receivers, antennas, components and subsystems are at the heart of many of the world's most exciting precise-positioning applications.

The markets we serve are wide and varied, including aviation, survey, geomatics, machine control, mining, agriculture, marine and defense. Whatever your application, NovAtel technology will ensure your success.

To learn more, visit www.novatel.com

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Version 8 D09736

Specifications subject to change without notice.

Refer to www.novatel.com for specification revisions

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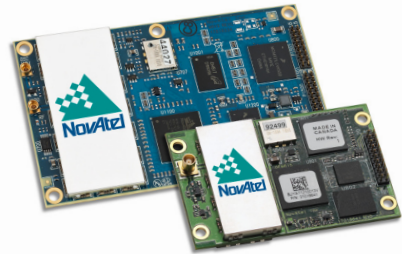
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NovAtel GNSS Receivers

OEM6™ Series



OEM628 Size: 60 x 100 x 9.1 mm Weight: 37 g
 OEM615 Size: 46 x 71 x 11 mm Weight: 24 g

Powerful, next-generation receiver family tracks existing and upcoming GPS, GLONASS, Galileo and Compass signals, making this series future-proof. Incorporating NovAtel's industry standard common platform, the OEM6 Series is designed for product quality and ease of integration. Available in two configurations:

OEM615™

Smaller than the size of a business card, the OEM615 features high performance GNSS positioning with low power consumption.

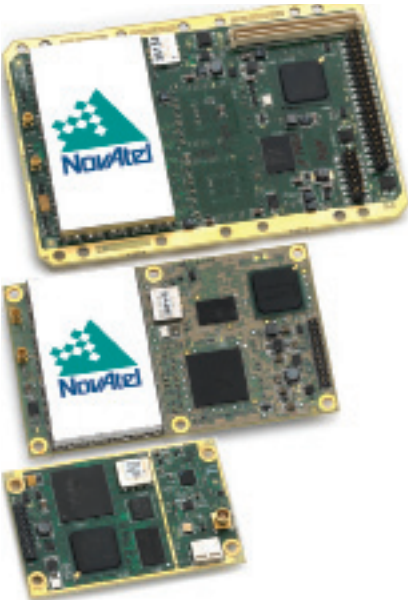
GPS L1/L2 + GLONASS L1/L2 + SBAS

OEM628™

Features 100 Hz data rate for high dynamic positioning applications. Drop-in replacement for NovAtel's OEMV-2 GNSS receiver.

GPS L1/L2/L5 + GLONASS L1/L2 + SBAS + L-band

OEMV® Series



V3 Size: 85 x 125 x 13 mm Weight: 75 g
 V2 Size: 60 x 100 x 13 mm Weight: 56 g
 V1 Size: 46 x 71 x 13 mm Weight: 21.5 g
 The OEMV high performance series utilizes a common platform across all products. OEMV GNSS receivers also offer scalable, field upgradeable firmware options, including NovAtel's AdVance™ RTK for centimetre-level positioning accuracy.

OEMV-1™

Flexible positioning modes for reliable sub-metre positioning worldwide.

GPS L1 + SBAS + L-band

OEMV-1G™

Greater satellite availability, providing reliable positioning even in obstructed sky conditions.

GPS L1 + GLONASS L1 + SBAS

OEMV-1DF™

Dual frequency RTK positioning in a compact form factor and with low power consumption for applications where space is constrained.

GPS L1/L2 + SBAS

OEMV-2™

Dual constellation, dual frequency receiver with all of NovAtel's high performance positioning modes.

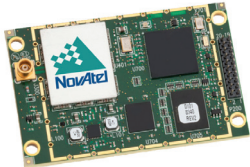
GPS L1/L2 + GLONASS L1/L2 + SBAS

OEMV-3™

Multi frequency receiver with integrated L-band and enhanced power management features.

GPS L1/L2/L5 + GLONASS L1/L2 + SBAS + L-band

OEMStar™



Size: 46 x 71 x 13 mm Weight: 18 g

NovAtel's lowest cost, high performance L1 GNSS receiver. Easy to integrate, the OEMStar offers superior carrier phase tracking and positioning performance, and is our lowest power consumption precision receiver.

GPS L1 + GLONASS L1 + SBAS

		Positioning Accuracy					Options			Signal Tracking							Interfaces											
Metre Level		Decimetre Level					Centimetre Level			ALIGN Heading and Relative Positioning	GLIDE	RAIM	GPS	GLONASS	Galileo	Compass	SBAS	L-band	QZSS	Number of Channels	Serial Ports	USB Ports	CAN Ports	Ethernet	Maximum Data Rate	Input Voltage	Power Consumption	Enclosure Option
Single Point L1	Single Point L1/L2	OmniSTAR VBS	SBAS	DGPS	RT-20 [®]	OmniSTAR XP/HP	RT-2 L1TE™	RT-2™																				
•	•		•	•	•		•	•	•			L1, L2, L2C	L1, L2	E1	•	•		•	120	3	1	2		50 Hz	+3.3 VDC [+5%/-5%]	< 1.0 W		
•	•	•	•	•	•	•	•	•	•	•		L1, L2, L2C, L5	L1, L2	E1, E5a, E5b, Alt+BOC	•	•	•	•	120	3	1	2	1	100 Hz	+3.3 VDC [+5%/-5%]	1.3 W	FlexPak6™	
•		•	•	•	•							L1			•	•			36	3	1	2		50 Hz	+3.3 VDC [+5%/-3%]	1.0 W	FlexPak-G2	
•			•	•	•		•	•	•	•		L1	L1		•				36	3	1	2		50 Hz	+3.3 VDC [+5%/-3%]	1.0 W	FlexPak-G2	
•	•		•	•	•		•	•	•	•		L1, L2, L2C			•				36	3	1	2		20 Hz	+3.3 VDC [+5%/-3%]	1.1 W		
•	•		•	•	•		•	•	•	•		L1, L2, L2C	L1, L2		•				72	3	1	1		50 Hz	+3.3 VDC [+5%/-3%]	1.2 W	FlexPak-G2	
•	•	•	•	•	•	•	•	•	•	•		L1, L2, L2C, L5	L1, L2		•	•			72	3	1	2		50 Hz	+4.5 to +18.0 VDC	2.1 W	ProPak-V3™ & DL-V3™ & SE™	
•			•	•								L1	L1		•				14	2	1			10 Hz	+3.3 to +5.0 VDC [+5%/-5%]	0.36 W	FlexPak-G2™	