



NovAtel's rugged, environmentally sealed enclosures house our high precision Global Navigation Satellite System (GNSS) receivers reducing integration effort and time to market.

From standalone metre-level to RTK centimetre-level positioning, NovAtel's enclosures are flexible to meet your positioning needs. Reliability is safeguarded by the extremely rugged and water resistant housings combined with wide operating temperature ranges. NovAtel also assures faster time to market by reducing integration time with standardized software and hardware connections. Common communication interfaces (Wi-Fi, BlueTooth®, cellular) reduce integration and installation downtime. Configurable options ensure that your positioning and accuracy needs are met at all times.

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

The secret to positioning success.

NovAtel designs, manufactures and sells high precision OEM positioning technology.

Developed for efficient and rapid integration, our GNSS products have set the standard in quality and performance for over 20 years. State-of-the-art, lean manufacturing facilities in our North American headquarters produce the industry's most extensive line of OEM receivers, antennas and subsystems. All of our products are backed by a team of highly skilled customer support and design engineers, ready to answer all your integration questions. For unsurpassed quality, product selection and precise engineering know-how, choose NovAtel.

To learn more, visit

www.novatel.com

sales@novatel.com

1-800-NOVATEL (US & Canada) or 403-295-4900

China 0086-21-68882300

Europe 44-1993-848-736

SE Asia & Australia 61-400-883-601



Version 12 Specifications subject to change without notice.

© 2016 NovAtel Inc. All rights reserved.

NovAtel, OEM6, OEMStar, ALIGN, SPAN and ProPak are registered trademarks of NovAtel Inc.

FlexPak-G2, FlexPak6, OEM615, OEM628, OEM638, ProPak6 and NovAtel CORRECT are trademarks of NovAtel Inc.

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by NovAtel Inc. is under license. Other trademarks and trademark names are those of the respective owners.

Refer to www.novatel.com for specification revisions.

Printed in Canada

D13760 October 2016



Enclosures



NovAtel Enclosures

FlexPak6™



Size: 147 × 113 × 45 mm Weight: 337 g

Offers NovAtel's OEM628™ receiver technology in a lightweight and compact enclosure. Tracks all current and upcoming GPS, GLONASS, Galileo and BeiDou signals and provides multiple communication options including Ethernet, USB and CAN bus.

GPS + GLONASS + Galileo + BeiDou + SBAS + L-Band

FlexPak6D™



Size: 147 × 113 × 45 mm Weight: 315 g

The dual-frequency, dual antenna FlexPak6D receiver offers heading and precise positioning for space constrained applications. Backward compatible with NovAtel's popular FlexPak6™ form factor, the FlexPak6D provides the most efficient way to bring GNSS capable navigation and positioning products to market quickly.

GPS + GLONASS + Galileo + BeiDou + SBAS

ProPak6™



Size: 190 × 185 × 75 mm Weight: 1.79 kg

Offers NovAtel's OEM638™ receiver technology in an extremely rugged and water resistant IP67 housing. The ProPak6 provides numerous interfaces including multiple RS-232/RS-422 serial ports, CAN Bus, USB host and device as well as Bluetooth®, Wi-Fi and optional cellular radio. The ProPak6 also features advanced Ethernet support for remote configuration, access to data logs and data log extraction to a USB thumb drive. ProPak6 is available in a dual-antenna input configuration for applications requiring ALIGN GNSS attitude.

GPS + GLONASS + Galileo + BeiDou + SBAS + L-Band

FlexPak-G2™ OEMStar



Size: 147 × 113 × 45 mm Weight: 313 g

Low cost receiver featuring excellent positioning performance and low power consumption.

GPS + GLONASS + SBAS

GPStation6™



Size: 233 × 154 × 71 mm Weight: 1.4 kg

Next generation, high performance GNSS Ionospheric Scintillation and TEC Monitor (GISTM) receiver used for monitoring networks and space weather applications.

GPS + GLONASS + Galileo + BeiDou + SBAS

POSITIONING ACCURACY (LEVEL)

Metre (RMS)		Sub Metre (RMS)		Centimetre (RMS)		
Single Point L1	Single Point L1/L2	NovAtel CORRECT™				RTK
		SBAS	DGPS	PPP ^a		
				TerraStar-L	TerraStar-C	
1.5 m	1.2 m	60 cm	40 cm	40 cm	4 cm	1 cm + 1 ppm
1.5 m	1.2 m	60 cm	40 cm			1 cm + 1 ppm
1.5 m	1.2 m	60 cm	40 cm		4 cm	1 cm + 1 ppm
1.5 m		70 cm	50 cm			
1.5 m	1.2 m					

^a Requires subscription to TerraStar data service. Subscriptions available from NovAtel.

SOLUTIONS

RTK ASSIST™	ALIGN® Heading	Integrated ALIGN® Heading	GLIDE™	RAIM	SPAN®
+	+		+	+	+
	+		+	+	
			+	+	+

SIGNAL TRACKING

GPS	GLONASS	Galileo	BeiDou	SBAS	QZSS	L-Band	Number of Channels
L1, L2, L2C, L5	L1, L2, L2C	E1, E5a, E5b, AltBOC	B1, B2	+	+	+	120
L1, L2, L2C, L5	L1, L2	E1, E5b	B1, B2	+	+		120
L1, L2, L2C, L5	L1, L2, L2C	E1, E5a, E5b, AltBOC	B1, B2	+	+	+	240
L1	L1			+			14
L1, L2, L2C, L5	L1, L2-C/A, L2P	E1, E5a, E5b, AltBOC	B1, B2	+	+		120

INTERFACES

Serial Ports	USB Ports	Ethernet	CAN	Bluetooth	Wi-Fi (802.11 b/g/n)	GPRS/HSPA	Memory
1	1	1	1				
2	1						
6 (3 external) Expandable to 10	1 USB Host, 1 USB Device	1	2	1	1	1 (optional)	4 GB onboard and USB thumbdrive
2	1						

Maximum GNSS Data Rate	Input Voltage	Power Consumption (refer to the manual for details)	Receiver
100 Hz	+6 to +36 VDC	1.8 W	OEM628
up to 20 Hz	+6 to +36 VDC	3.35 W	OEM617D
100 Hz	+9 to +36 VDC	3.5 W	OEM638, OEM615 Heading
10 Hz	+6 to +18 VDC	0.6 W	OEMStar®
50 Hz	+11 to +18 VDC	6.0 W	OEM628