

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

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China 0086-21-68882300

Europe 44-1993-848-736

SE Asia & Australia 61-400-883-601



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Refer to www.novatel.com for specification revisions.
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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™				
		SBAS	DGPS	PPP ^a		RTK
				TerraStar-L	TerraStar-C	
1.5 m	1.2 m	60 cm	40 cm	50 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			
1.2 m						
a. Requires subscription to TerraStar data service. Subscriptions available from NovAtel.						

FIRMWARE SOLUTIONS

ALIGN® Heading	+	+	+	+
Intagrated ALIGN® Heading				
GLIDE™	+	+	+	
RAIM	+	+	+	+
SPAN®	+		+	

SIGNAL TRACKING

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

INTERFACES

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

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

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