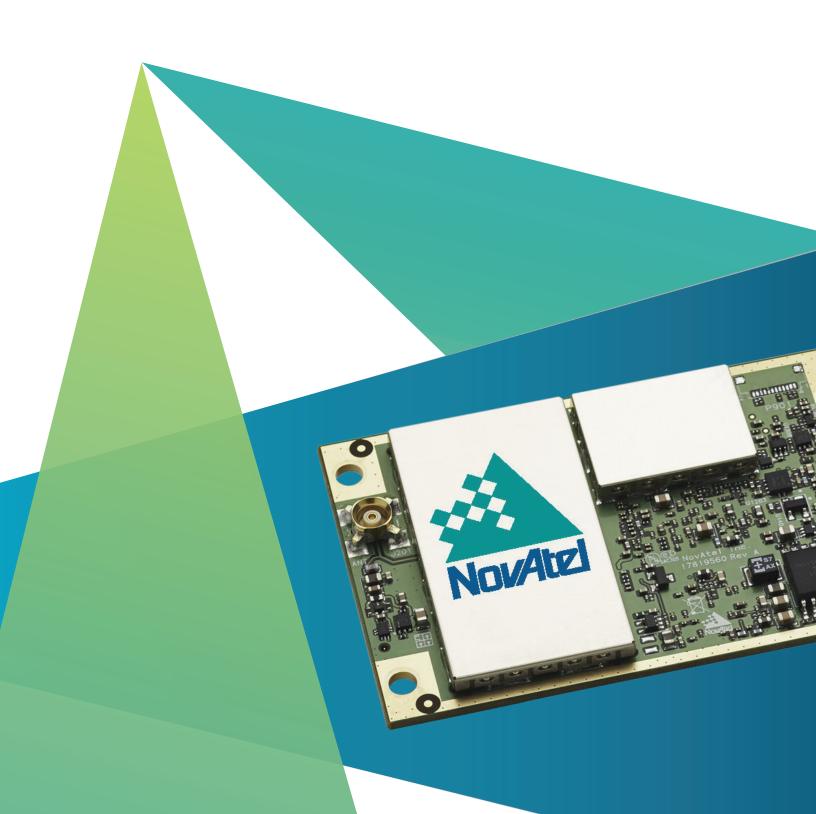


OEM7 Receivers

Setting the standard in positioning and performance

NavtechGPS)

+1-703-256-8900 or 800-628-0885 info@NavtechGPS.com www.NavtechGPS.com



Hexagon | NovAtel OEM7 GNSS Receivers

OEM7 GNSS RECEIVERS SET THE STANDARD IN POSITIONING PERFORMANCE, FEATURES AND EASE OF INTEGRATION.

Leveraging six previous generations of precise positioning know-how, the OEM7 incorporates innovative capabilities and features to enhance positioning reliability, accuracy and availability. Cornerstones of the OEM7 family include advanced interference detection and mitigation, with L-Band and SPAN GNSS+INS functionality on every receiver.

SPAN Technology



SPAN GNSS+INS technology by NovAtel provides continuous 3D positioning, velocity and attitude determination even when satellite reception may be compromised for short periods of time.

Our SPAN technology integrates Inertial Measurement Units (IMUs) with OEM7 receivers to create a deeply coupled GNSS+INS solution at data rates up to 200 Hz.

The accuracy of our SPAN technology-enabled products can be optimized with our best-in-class Waypoint post-processing software.

To learn more about SPAN technology, please visit <u>novatel.com/span</u>.



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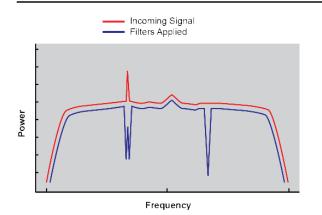
Flexible Positioning Options



NovAtel provides state-of-the-art positioning algorithms which optimize corrections from Real Time Kinematic (RTK), Precise Point Positioning (PPP), Space-Based Augmentation Systems (SBAS) and Differential Global Navigation Satellite Systems (DGNSS).

NovAtel ensures you receive the positioning accuracy needed for your application, whether that is meter, decimeter or centimeter-level.

To learn more about NovAtel positioning, please visit <u>novatel.com/solutions/about-positioning</u>.



Interference Toolkit

In today's crowded frequency spectrum, potential for interference is high.

The Interference Toolkit provides any operator on-demand actionable intelligence by measuring the radio frequency spectrum levels, simplifying visualization, monitoring, quantifying and even mitigating interference sources.

To learn more about the Interference Toolkit, please visit <u>novatel.com/solutions/interference-mitigation/</u>



NovAtel Application Suite and Setup & Monitor (Web)

NovAtel provides two user interface tools to ease your receiver configuration and monitoring tasks. NovAtel Application Suite is a computer-based application that manages OEM7 receivers connected to the computer using either a serial, USB or Ethernet connection. Setup & Monitor (Web) is a browser-based interface that operates on any device connected to the receiver using Wi-Fi or Ethernet. These tools have a common look and feel and provide the following main features:

- Position configurations and display status
- Logging control
- Storage management
- Mobile platform support
- Upgrade receiver firmware

OEM7 GNSS Series

POSITIONING ACCURACY (LEVEL)

OEIVI/GINS	5556165		ter /95%)		ub Mete MS/959			er %)	
Cards		Single Point L1	Single Point L1/L2	SBAS	DGPS	TerraStar-L ^ª	TerraStar-C PRO ^a	TerraStar-Xª	RTK
NOLATE?	OEM7600 Multi-frequency GNSS receiver delivers precise positioning in an extremely compact form factor Size: 35 × 55 × 13 mm Weight: 31 g	1.5 m 2.5 m	1.2 m 2.4 m	60 cm 120 cm	40 cm 80 cm	40 cm 50 cm	2.5 cm 3 cm	2 cm 2.5 cm	1 cm + 1 ppm 2.5 cm + 1 ppm
	OEM7700 Multi-frequency GNSS receiver delivers precise positioning and simplifies integration Size: 46 × 71 × 8 mm Weight: 31 g	1.5 m 2.5 m	1.2 m 2.4 m	60 cm 120 cm	40 cm 80 cm	40 cm 50 cm	2.5 cm 3 cm	2 cm 2.5 cm	1cm + 1 ppm 2.5 cm + 1 ppm
	OEM7720 Dual-antenna, multi-frequency GNSS receiver delivers robust heading and positioning Size: 46 × 71 × 8 mm Weight: 29 g	1.5 m 2.5 m	1.2 m 2.4 m	60 cm 120 cm	40 cm 80 cm	40 cm 50 cm	2.5 cm 3 cm	2 cm 2.5 cm	1 cm + 1 ppm 2.5 cm + 1 ppm
NOLATE	OEM719 Multi-frequency GNSS receiver includes all modern signals and is backward compatible with the OEM615/OEM617 receiver Size: 46 × 71 × 11 mm Weight: 31 g	1.5 m 2.5 m	1.2 m 2.4 m	60 cm 120 cm	40 cm 80 cm	40 cm 50 cm	2.5 cm 3 cm	2 cm 2.5 cm	1 cm +1 ppm 2.5 cm +1 ppm
	OEM729 Multi-frequency GNSS receiver includes all modern signals and is backward compatible with the OEM628 receiver Size: 60 × 100 × 9 mm Weight: 48 g	1.5 m 2.5 m	1.2 m 2.4 m	60 cm 120 cm	40 cm 80 cm	40 cm 50 cm	2.5 cm 3 cm	2 cm 2.5 cm	1 cm + 1 ppm 2.5 cm + 1 ppm

a. Requires subscription to TerraStar® data service. Subscriptions available from NovAtel.
b. Typical value. GPS L1 only.

SOLUTIONS							SIGNAL TRACKING										FACE				
ALIGN Heading and Relative Positioning	Integrated ALIGN Heading	GLIDE	RAIM	SPAN	Interference Toolkit	GPS	GLONASS	Galileo	BeiDou	QZSS	NavIC (IRNSS)	SBAS	L-Band	Sarial Dorte		USB Ports	CAN Ports	Ethernet	Maximum Data Rate	Input Voltage	Power Consumption ^b
+		+	+	+	+	L1 C/A, L1C, L2C, L2P, L5	L1 C/A, L2 C/A, L2P, L3, L5	E1, E5 AltBOC, E5a, E5b	B11, B1C, B21, B2a, B2b	L1 C/A, L1C, L2C, L5	L5	L1, L5	Up to 5 channels	5 MOMOS	9	1 Device, 1 Host	2	-	100 Hz	+3.3 VDC [±5%]	0.9 W
+		+	+	+	+	L1 C/A, L1C, L2C, L2P, L5	L1 C/A, L2 C/A, L2P, L3, L5	E1, E5 AltBOC, E5a, E5b, E6	B11, B1C, B21, B2a, B2b, B31	L1 C/A, L1C, L2C, L5, L6	L5	L1, L5	Up to 5 channels	FIVEMOS		1 Device, 1 Host	2	-	100 Hz	+3.3 VDC [±5%]	W 6.0
+	+	+	+	+	+	L1 C/A, L1C, L2C, L2P, L5	L1 C/A, L2 C/A, L2P, L3, L5	E1, E5 AltBOC, E5a, E5b	B11, B1C, B21, B2a, B2b	L1 C/A, L1C, L2C, L5	E1	г1, L5	Up to 5 channels	FIVEMOS		1 Device, 1 Host	2	-	100 Hz	+3.0 to 5.0 VDC	1.6 W
+		+	+	+	+	L1 C/A, L1C, L2C, L2P, L5	L1 C/A, L2 C/A, L2P, L3, L5	E1, E5 AltBOC, E5a, E5b, E6	B11, B1C, B21, B2a, B2b, B31	L1 C/A, L1C, L2C, L5, L6	L5	г1, L5	Up to 5 channels	3 IVCMOS		1 Device	2		100 Hz	+3.3 VDC [±5%]	W 6.0
+		+	+	+	+	L1 C/A, L1C, L2C, L2P, L5	L1 C/A, L2 C/A, L2P, L3, L5	E1, E5 AltBOC, E5a, E5b, E6	B11, B1C, B21, B2a, B2b, B31	L1 C/A, L1C, L2C, L5, L6	L5	L1, L5	Up to 5 channels	2 LVCMOS,	1 RS-232/RS-422	1 Device	2	-	100 Hz	+3.3 VDC [±5%]	W 6.0

OEM7 GNSS Series Enclosures

POSITIONING ACCURACY (LEVEL)

o Jenes	Me (RMS)	ter /95%)		ub Mete RMS/95%		Centimeter (RMS/95%)						
	Single Point L1	Single Point L1/L2	SBAS	SADD	ୁ TerraStar-Lª	TerraStar-C PRO ^a	TerraStar-X ^a	RTK				
PwrPak7 Rugged, compact enclosure delivers scalable GNSS solutions with internal storage and GNSS+INS options Size: 147 × 125 × 55 mm Weight: 500 g	1.5 m 2.5 m	1.2 m 2.4 m	60 cm 120 cm	40 cm 80 cm	40 cm 50 cm	2.5 cm 3 cm	2 cm 2.5 cm	1 cm + 1 ppm 2.5 cm + 1 ppm				
PwrPak7D Rugged, compact, dual antenna enclosure delivers scalable GNSS solutions with internal storage and GNSS+INS options Size: 147 × 125 × 55 mm Weight: 500 g	1.5 m 2.5 m	1.2 m 2.4 m	60 cm 120 cm	40 cm 80 cm	40 cm 50 cm	2.5 cm 3 cm	2 cm 2.5 cm	1 cm +1 ppm 2.5 cm +1 ppm				



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PwrPak7D



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a. Requires subscription to TerraStar® data service. Subscriptions available from NovAtel. b. Typical value. GPS L1 only.

SOLUTIONS						SIGNAL TRACKING										INTERFACES												
ALIGN Heading and Relative Positioning	Integrated ALIGN Heading	GLIDE	RAIM	SPAN	Interference Toolkit	GPS	GLONASS	Galileo	BeiDou	QZSS	NavIC (IRNSS)	SBAS	L-Band		Serial Ports	USB Ports	CAN Ports	Ethernet	Wi-Fi		Memory	Maximum Data Rate	Input Voltage	Power Consumption ^b				
+		+	+	+	+	L1 C/A, L1C, L2C, L2P, L5	L1 C/A, L2 C/A, L2P, L3, L5	E1, E5 AltBOC, E5a, E5b, E6	B11, B1C, B21, B2a, B2b, B31	L1 C/A, L1C, L2C, L5, L6	L5	L1, L5	Up to 5 channels		1 RS-232, 2 RS-232/RS-422	1 Device, 1 Host	1	Ļ	+		16 GB	100 Hz	+9 to +36 VDC	3.25 W				
+	+	+	+	+	+	L1 C/A, L1C, L2C, L2P, L5	L1 C/A, L2 C/A, L2P, L3, L5	E1, E5 AltBOC, E5a, E5b	B11, B1C, B21, B2a, B2b	L1 C/A, L1C, L2C, L5	L5	٢١' ٢٦	Up to 5 channels		1 RS-232, 2 RS-232/RS-422	1 Device, 1 Host	t	F	+		16 GB	100 Hz	+9 to +36 VDC	3.95 W				



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About Hexagon | NovAtel

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications. Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

NovAtel, part of Hexagon, is a global technology leader, pioneering end-to-end solutions for assured positioning for land, sea, and air. NovAtel designs, manufactures and sells high precision positioning technology developed for efficient and rapid integration. Its solutions are empowering intelligent positioning ecosystems in vital industries that depend on the ability to tackle the most complex challenges in the most demanding environments. Learn more at novatel.com.

Novatel Inc.

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