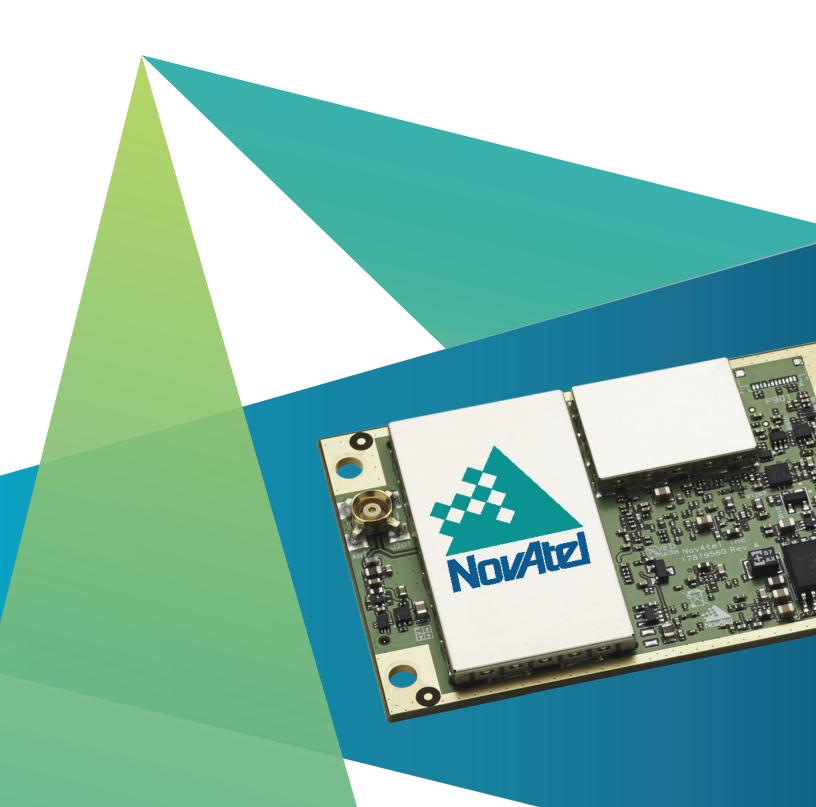




OEM7® Receivers

Setting the standard in positioning and performance



Hexagon | NovAtel® OEM7® GNSS Receivers

NOVATEL'S 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



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

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

The accuracy of SPAN products can be optimized with best-in-class post-processing software from our Waypoint® Software.

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

CORRECT Positioning

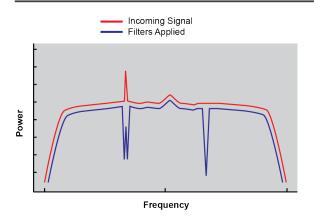


NovAtel CORRECT® is state-of-the-art in positioning algorithms. It optimizes corrections from Real Time Kinematic (RTK), Precise Point Positioning (PPP), Space Based Augmentation Systems (SBAS) and Differential Global Navigation Satellite Systems (DGNSS).

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

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

Interference Toolkit



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

The Interference Toolkit provides any operator ondemand 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 novatel.com/solutions/interference-mitigation/

Web UI



Web UI is a website user interface that configures and monitors receiver activities all at a glance. With it's new look for OEM7 products, and ease to connect over Ethernet, all your information is available together. It comes with the following main features:

- · Position configurations and display status
- · Logging control
- · Storage management
- Mobile platform support
- Firmware upgradeable through Web UI

OEM7 GNSS Series

Cards

POSITIONING ACCURACY (LEVEL)

	Me (RMS	ter /95%)	S (F	ub Mete	er 6)	C (F	er 6)	
_	Single Point L1	Single Point L1 Single Point L1/L2		DGPS	TerraStar-L™ª	TerraStar-C PRO™ ª	TerraStar-X™ª	ВТК
	1.5 m	1.2 m	60 cm	40 cm	40 cm	2.5 cm	2 cm	1cm+1ppm
	2.5 m	2.4 m	120 cm	80 cm	50 cm	3 cm	2.5 cm	2.5cm+1ppm
	1.5 m	1.2 m	60 cm	40 cm	40 cm	2.5 cm	2 cm	1 cm + 1 ppm
	2.5 m	2.4 m	120 cm	80 cm	50 cm	3 cm	2.5 cm	2.5 cm + 1 ppm
	1.5 m	1.2 m	60 cm	40 cm	40 cm	2.5 cm	2 cm	1 cm + 1 ppm
	2.5 m	2.4 m	120 cm	80 cm	50 cm	3 cm	2.5 cm	2.5 cm + 1 ppm
	1.5 m	1.2 m	60 cm	40 cm	40 cm	2.5 cm	2 cm	1cm+1ppm
	2.5 m	2.4 m	120 cm	80 cm	50 cm	3 cm	2.5 cm	2.5cm+1ppm
	1.5 m	1.2 m	60 cm	40 cm	40 cm	2.5 cm	2 cm	1cm+1ppm
	2.5 m	2.4 m	120 cm	80 cm	50 cm	3 cm	2.5 cm	2.5cm+1ppm



OEM7600™

Multi-frequency GNSS receiver delivers precise positioning in an extremely compact form factor

Size: $35 \times 55 \times 13$ mm

Weight: 31 g



OEM7700™

Multi-frequency GNSS receiver delivers precise positioning and simplifies integration

Size: 46 × 71 × 8 mm Weight: 31 g



OEM7720™

Dual-antenna, multi-frequency GNSS receiver delivers robust heading and positioning

Size: 46 × 71 × 8 mm Weight: 29 g



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



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

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

SOLUTIONS							SIGNAL TRACKING										TER	FACI	_				
ALIGN® Heading and Relative Positioning Integrated	NovAtel CORRECT	GLIDE®	RAIM	SPAN	Interference Toolkit	GPS	GLONASS	Galileo	BeiDou	ØZSS	NavIC (IRNSS)	SBAS	L-Band	Number of Channels		Serial Ports	USB Ports	CAN Ports	Ethernet	N C C C C C C C C C C C C C C C C C C C	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	L1 C/A, L1C, L2C, L5	L5	11, L5	Up to 5 channels	555		5 LVCMOS	1 Device, 1 Host	2	_	2000	2H 00I	+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, B31	L1 C/A, L1C, L2C, L5, L6	L5	1, L5	Up to 5 channels	555		5 LVCMOS	1 Device, 1 Host	2	-	000	ZU 001	+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	B11, B1C, B21, B2a	L1 C/A, L1C, L2C, L5	L5	11, L5	Up to 5 channels	555		5 LVCMOS	1Device, 1Host	2	_	000	ZU 001	+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, B31	L1 C/A, L1C, L2C, L5, L6	L5	11, L5	Up to 5 channels	555		3 LVCMOS	1 Device	2		200	ZU 001	+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, B31	L1 C/A, L1C, L2C, L5, L6	L5	11, L5	Up to 5 channels	555		2 LVCMOS, 1 RS-232/RS-422	1 Device	2	_	2000	2H 001	+3.3 VDC [±5%]	W 6.0

OEM7 GNSS Series

Enclosures



PwrPak7®

Rugged, compact enclosure delivers scalable GNSS solutions with internal storage and GNSS+INS options

Size: 147 × 125 × 55 mm Weight: 500 g



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	1.2 m	60 cm	40 cm	40 cm	2.5 cm	2 cm	1cm +1ppm
2.5 m	2.4 m	120 cm	80 cm	50 cm	3 cm	2.5 cm	2.5cm +1ppm
1.5 m	1.2 m	60 cm	40 cm	40 cm	2.5 cm	2 cm	1 cm +1 ppm
2.5 m	2.4 m	120 cm	80 cm	50 cm	3 cm	2.5 cm	2.5 cm +1 ppm

POSITIONING ACCURACY (LEVEL)

TerraStar-L™ a

Centimeter

(RMS/95%)

TerraStar-X™

TerraStar-C PRO™

Sub Meter

(RMS/95%)

DGPS

Meter

(RMS/95%)

Single Point L1/L2

Single Point L1

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

SOLUTIONS								SIGNAL TRACKING											RFA	CES						
ALIGN® Heading and	retative Positioning Integrated ALIGN Heading	NovAtel CORRECT	GLIDE®	RAIM	SPAN	Interference Toolkit	GPS	GLONASS	Galileo	BeiDou	QZSS	NavIC (IRNSS)	SBAS	L-Band	Number of Channels		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, B31	L1 C/A, L1C, L2C, L5, L6	97	11, L5	Up to 5 channels	555	1 BS-232	2 RS-232/RS-422	1 Device, 1 Host	_	_	+	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	L1 C/A, L1C, L2C, L5	L5	L1, L5	Up to 5 channels	555	1 BS-232	2 RS-232/RS-422	1 Device, 1 Host	1	1	+	16 GB	100 Hz	+9 to +36 VDC	3.95 W	



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.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB.



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