

# Antennas

Exceptional performance.  
Unsurpassed reliability.



# Hexagon | NovAtel Antennas

SIGNALS RECEIVED

MODEL	GPS/QZSS			QZSS	GLONASS			
	L1	L2	L5	L6	G1	G2	G3	
<b>VEXXIS GNSS-800 Series</b>								
 <p>Size: 176 x 55 mm Weight: 0.5 kg</p>	GNSS-802	+	+			+	+	
	GNSS-802-N	+	+			+	+	
	GNSS-802L	+	+			+	+	
	GNSS-804	+	+			+	+	
	GNSS-804L	+	+			+	+	
	GNSS-850	+	+	+	+	+	+	+
	<b>VEXXIS GNSS-500 Series</b>							
 <p>Size: 155 x 45 mm Weight: 0.45 kg</p>	GNSS-502	+	+			+	+	
	GNSS-503	+	+	+	+	+	+	+
 <p>Size: 127 x 24.5 mm Weight: 0.134 kg</p>	OEM-GNSS-503	+	+	+	+	+	+	

## SIGNALS RECEIVED

## SPECIFICATIONS

Galileo				BeiDou			IRNSS/ NAVIC	L-Band			
E1	E5a	E5b	E6	B1	B2	B3	L5		LNA Gain	Power	RF Connector
+				+					29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female
+				+					29 dB typ	3.8 to 18 VDC, 60 mA max	N-Type
+				+				+	29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female
+		+		+	+				29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female
+		+		+	+			+	29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female
+	+	+	+	+	+	+	+	+	29 dB typ	3.8 to 18 VDC, 60 mA max	TNC female
+		+		+	+			+	L1 34 dB typ, L2 38 dB typ	3.3 to 18 VDC, 20 mA typ	TNC female
+	+	+	+	+	+	+	+	+	L1 34 dB typ, L2 38 dB typ	3.3 to 18 VDC, 20 mA typ	TNC female
+	+	+	+	+	+	+	+	+	L1 34 dB typ, L2 38 dB typ	3.3 to 18 VDC, 20 mA typ	MMCX

# Hexagon | NovAtel Antennas

## SIGNALS RECEIVED

		MODEL	GPS/QZSS			QZSS	GLONASS		
Compact GNSS Antennas			L1	L2	L5	L6	G1	G2	G3
	Size: 67 x 18 mm Weight: 0.1 kg	2G15A-XTB-1	+						
	Size: 89 x 19 mm Weight: 0.18 kg	3G15A-XT-1	+						
	Size: 89 x 27 mm Weight: 0.35 kg	3GNSSA-XT-1	+	+	+		+	+	
	Size: 119 x 76 x 18 mm Weight: 0.19 kg	42G1215A-XT-1	+	+					
	Size: 119 x 76 x 27 mm Weight: 0.35 kg	42GNSSA-XT-1	+	+	+		+	+	
	Size: 69 x 19 mm Weight: 0.23 kg	G3ANT-2A196MNS-4	+				+		
	Size: 119 x 76 x 18 mm Weight: 0.23 kg	G3Ant-42A4T1	+				+		
	Size: 86 x 57 x 22 mm Weight: 0.19 kg	G3Ant-4AT1	+				+		
	Size: 90 x 32 mm Weight: 0.35 kg	G5Ant-3AMT1	+	+			+	+	
	Size: 90 x 22 mm Weight: 0.26 kg	G5Ant-3AT1	+	+			+	+	
	Size: 119 x 76 x 23 mm Weight: 0.23 kg	G5ANT-42AT1	+	+			+	+	
	Size: 119 x 76 x 23 mm Weight: 0.23 kg	G5Ant-42AT1-A	+	+			+	+	

## SIGNALS RECEIVED

## SPECIFICATIONS

Galileo				BeiDou			IRNSS/ NAVIC	L-Band			
E1	E5a	E5b	E6	B1	B2	B3	L5		LNA Gain	Power	RF Connector
									33 dB	3.8 - 15 VDC 35 mA max	TNC Bulkhead
									33 dB	3.8 - 15 VDC 70 mA max	TNC
+	+	+		+	+		+	+	33 dB	2.7 - 15 VDC 40 mA max	TNC
									33 dB	3.8 - 15 VDC 70 mA max	TNC
+	+	+		+	+		+	+	33 dB	2.7 - 15 VDC 40 mA max	TNC
+				+				+	33 dB	3.8 - 15 VDC 70 mA max	SMA
+				+				+	40 dB	3.8 - 15 VDC 70 mA max	TNC
+				+				+	33 dB	3.8 - 15 VDC 70 mA max	TNC
+			+	+	+			+	33dB	3.8 - 15 VDC 70 mA max	TNC
+			+	+				+	33 dB	3.8 - 15 VDC 70 mA max	TNC
+			+	+				+	33 dB	3.8 - 15 VDC 70 mA max	TNC
+			+	+	+			+	33 dB	3.8 - 15 VDC 70 mA max	TNC

# Hexagon | NovAtel Antennas

## SIGNALS RECEIVED

MODEL	GPS/QZSS			QZSS	GLONASS		
	L1	L2	L5	L6	G1	G2	G3
<p><b>Fixed Reference GNSS Antennas</b></p>  <p>Size: 380 × 200 mm Weight: 7.6 kg</p> <p><b>GNSS-750</b></p>	+	+	+	+	+	+	+
<p><b>Controlled Reception Pattern Antennas (CRPAs)</b></p>  <p>Size: 139.7 × 15.7 mm    <b>4NF-5.5CG1215P-XM-X</b> Weight: &lt;0.43 kg (typical)    <b>4NF-5.5CG1215P-XS-X</b></p>	+	+					
<p>Size: 139.7 × 15.7 mm    <b>4NF-5.5CG1115P-XM-x</b> Weight: &lt;0.43 kg (typical)    <b>4NF-5.5CG1115P-XS-x</b></p>	+		+				

## SIGNALS RECEIVED

Galileo				BeiDou			IRNSS/ NAVIC	L-Band	SPECIFICATIONS			
E1	E5a	E5b	E6	B1	B2	B3	L5		LNA Gain	Power	RF Connector	Notes
+	+	+	+	+	+	+	+	+	41 dB typ	3.3 to 12 VDC, 100 mA typ	N-Type with TNC adapter	
									Passive	Passive	XM = MCX XS = SMA	<b>Color Code (x)</b> 1 = Gloss White 2 = Lusterless Gray 3 = Camo Green 4 = Lusterless Black 5 = Desert Tan
									Passive	Passive	XM = MCX XS = SMA	<b>Color Code (x)</b> 1 = Gloss White 2 = Lusterless Gray 3 = Camo Green 4 = Lusterless Black 5 = Desert Tan



# About Hexagon | NovAtel

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related 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](http://novatel.com).

Novatel Inc.  
Hexagon Calgary Campus | 10921 14th St. NE | Calgary, Alberta, Canada T3K 2L5

Contact Information  
US & Canada 1-800-NOVATEL or 403-295-4900  
China 0086-21-68882300 | Europe 44-1993-848-736 | SE Asia & Australia 61-400-883-601  
Website: [novatel.com](http://novatel.com) | Email: [sales.nov.ap@hexagon.com](mailto:sales.nov.ap@hexagon.com)

NovAtel and VEXXIS are trademarks of NovAtel, Inc., entities within the Hexagon Autonomy & Positioning division, their affiliated entities, and/or their licensors. All other trademarks are properties of their respective owners.

©2023 NovAtel Inc. All rights reserved. NovAtel is part of Hexagon. All trademarks or servicemarks used herein are property of their respective owners. NovAtel makes no representation or warranty regarding the accuracy of the information in this publication. This document gives only a general description of the product(s) or service(s) offered by NovAtel, and, except where expressly provided otherwise, shall not form part of any contract. Such information, the products and conditions of supply are subject to change without notice.

Version 22  
D10153 January 2023