

**NovAtel's antennas combine exceptional performance with unsurpassed reliability to suit a wide variety of markets and applications.**

**High Performance GNSS Antennas**

Provide the performance of a choke ring antenna without the size and weight. Typical applications include: survey, ground mapping, agriculture, construction & mining, temporary and permanent reference stations

**Compact GNSS Antennas**

Smaller GNSS antennas in a range of form factors designed to meet specific application requirements. Typical applications include: unmanned vehicles, agriculture, construction & mining

**Fixed Reference GNSS Antennas**

Deliver exceptional availability and high precision in permanently installed and continuously operating applications. Typical applications include: network RTK reference stations, CORS systems

**OEM Component Antennas**

OEM antenna modules that can be quickly and easily integrated into OEM manufacturers' proprietary equipment

For comprehensive antenna information, visit

[www.novatel.com/products/gnss-antennas](http://www.novatel.com/products/gnss-antennas)

**Precise thinking makes it possible.**

**NovAtel is an original equipment manufacturer (OEM) that designs, manufactures and sells high-precision Global Navigation Satellite System (GNSS) positioning technology.**

Our receivers, antennas, components and subsystems are at the heart of many of the world's most exciting precise-positioning applications.

The markets we serve are wide and varied, including aviation, survey, geomatics, machine control, mining, agriculture, marine and defense. Whatever your application, NovAtel technology will ensure your success.

To learn more, visit

[www.novatel.com](http://www.novatel.com)

[sales@novatel.com](mailto:sales@novatel.com)

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

China 0086-21-54452990-8011

Europe 44-1993-848-736

SE Asia & Australia 61-400-883-601



Version 10 Specifications subject to change without notice.

© 2014 NovAtel Inc. All rights reserved.

NovAtel is a registered trademark of NovAtel Inc.

Refer to [www.novatel.com](http://www.novatel.com) for specification revisions

Printed in Canada

D10153 April 2014



# Antennas

# NovAtel Antennas

## High Performace GNSS Antennas



Size: 185 × 69 mm  
Weight: 500 g

### MODEL

- GPS-701-GG
- GPS-701-GGL
- GPS-702L
- GPS-702-GG
- GPS-702-GGL
- GPS-703-GGG
- GPS-704-X

## Compact GNSS Antennas



Size: 69 × 19 mm  
Weight: 0.184 kg

ANT-26C1GOA-196MNSB



Size: 69 × <22 mm  
Weight: 0.153 kg

ANT-26C1GA-MTB



Size: 66 × <23 mm  
Weight: 0.113 kg

ANT-26C1GA-TBW-N



Size: 89 × <21 mm  
Weight: <0.227 kg

3GOXX16A4-XTR-1-2-CERT  
3GOXX16A4-XTR-1-CERT



Size: 119 × 76 × <23 mm  
Weight: <0.25 kg

42G1215A-XT-1-CERT  
42GO16A4-XT-1-CERT  
42G1215A-XT-1-2-CERT  
42G1215A-XT-1-3-CERT  
42GOXX16A4-XT-1-1-CERT

## Fixed Reference GNSS Antennas



Size: 380 × 200 mm  
Weight: 7.6 kg

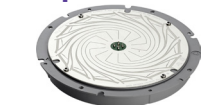
GNSS-750



Size: 308 × 223 mm  
Weight: 4.1 kg

ANT-C2GA-TW-N

## OEM Component Antennas



Size: 143 × 30 mm  
Weight: 0.120 kg

Pinwheel OEM

### SIGNALS RECEIVED

GPS			GLONASS			GALILEO				BeiDou			L-Band
L1	L2	L5	L1	L2	L3	E1	E5a	E5b	E6	B1	B2	B3	
+			+										
+			+			+				+			+
+	+					+				+			+
+	+		+	+									
+	+		+	+		+				+			+
+	+	+	+	+	+	+	+	+		+	+		
+	+	+	+	+	+	+	+	+	+	+	+	+	+
+										+			+
+													
+													
+	+												
+			+							+			+
+	+									+			+
+	+									+	+		+
+	+	+	+	+	+	+	+	+	+	+	+	+	+
+													
+	+												
+	+		+	+		+	+	+		+	+		+

LNA GAIN	POWER	RF CONNECTOR(S)	COMPLIANCE
29 dB typ	4.5 to 18 VDC, 35 mA typ	TNC female	CE, FCC
29 dB typ	4.5 to 18 VDC, 35 mA typ	TNC female	CE, FCC
27 dB typ	4.5 to 18 VDC, 33 mA typ	TNC female	CE, FCC
29 dB typ	4.5 to 18 VDC, 35 mA typ	TNC, N type	CE, FCC
29 dB typ	4.5 to 18 VDC, 35 mA typ	TNC female	CE, FCC
29 dB typ	4.5 to 18 VDC, 36 mA typ	TNC female	CE, FCC
PASSIVE	N/A	TNC female	CE
33 dB typ	2.5 to 24 VDC, <40 mA	SMA male (on 4.96 m cable)	CE, FCC
33 dB typ	2.5 to 24 VDC, <50 mA typ	TNC	CE, FCC
33 dB typ	2.5 to 24 VDC, 30 mA typ	TNC	CE, FCC, DO-160
33 dB typ	2.5 to 24 VDC, 30 mA typ	TNC	CE, FCC, FAA TSO-C144, DO-160
L1 33 dB, L2 35 dB typ	2.5 to 24 VDC, 50 mA typ	TNC	CE, FCC, FAA TSO-C144, DO-160
L1 31 dB, L2 33 dB typ	2.5 to 24 VDC, <50 mA typ	TNC	CE, FCC, FAA TSO-C144, DC-160
40 dB typ	2.5 to 24 VDC, 39 mA typ	TNC	CE, FCC, FAA TSO-C144, DC-160
33 dB typ	2.5 to 24 VDC, 35 mA typ	TNC	CE, FCC, FAA TSO-C144, DO-160
40 dB typ	2.5 to 24 VDC, 35 mA typ	TNC	CE, FCC, FAA TSO-C144, DO-160
33 dB typ	2.5 to 24 VDC, 50 mA typ	TNC	CE, FCC, FAA TSO-C144, DC-160
41 dB ± 3	3.3 to 12 VDC, 100 mA typ	N type with TNC adapter	CE, FCC
L1 31 dB, L2 33 dB typ	2.5 to 24 VDC, 35 mA typ	TNC	CE, FCC
22 dB typ	5.0 to ±5% VDC, 40 mA typ	MMCX, right angle female	CE, FCC