



AG611 AG610 Enterprise Series Mobility M2M IoT Antenna Specifications

Multi-Carrier Multi MIMO Cellular 4G LTE CBRS 5G NR / GPS GNSS / Multi MIMO Multi-Band WiFi 7 / WiFi HaLow / Bluetooth (2.4GHz)

4G LTE CBRS 5G NR Frequency Range Bluetooth (2.4GHz) WiFi 7 Frequency Range	617-960MHz / 1710-7000MHz 2.4-2.5GHz / 4.9-7GHz (Concurrent)
4G CBRS 5G NR Avg. Peak Gain: <i>Isotropic</i> WiFi 7 / Bluetooth Avg. Peak Gain: <i>Isotropic</i>	(5dBi) 617-960MHz / (8dBi) 1710-3800MHz / (9dBi) 4900-7000MHz / (6.5dBi) CBRS LTE 3.5GHz (9dBi) 2.4GHz / (9dBi) 5GHz~7GHz
Typical Efficiency 4G 5G Elements	617-960MHz >65% 1710-3800MHz >75% 4900-7000MHz >85%
Typical Efficiency WiFi / Bluetooth Elements	>70%
Isolation 4G 5G Elements Isolation WiFi / Bluetooth Elements	>10dB >12dB
Correlation Co-efficient 4G 5G Elements Correlation Co-efficient WiFi / BT Elements	<0.2 <0.1
Nominal Impedance	50Ω
GPS GNSS Specifications	GPS Glonass Galileo QZSS BeiDou Compass <i>In-Band Frequency Interference Filter for LTE B13 B14</i>
Frequency Range	1562-1612MHz
LNA Gain	29dB ± 2dB
VSWR	<2.0:1
Out of Band Rejection	>45dB (@ > +/- 100MHz f)
Typical Noise Figure	<-2dB
Notch Filter Rejection @787MHz	24dB
Operating Voltage	3-5V DC
Typical Current	15mA
Mechanical / Environmental Specifications	
Antenna Housing	High Impact UV Stable ABS Polymer (Black or White) Housing Height: 114mm (4.5") / Base Diameter: 140mm (5.5")
Connector Types	All Standard RF Connectors Available (Including FAKRA Connector Ends)
15ft Coax Cables (All Cables Full Length)	Cellular 4G 5G AGA200 Coax / Multi Band WiFi AGA200 Coax / GPS GNSS AGA100 Coax * Custom cable lengths & connector end options are available (Including FAKRA Connector Ends)
Mounting Bolt	Stainless Steel Mounting Bolt: Length 23mm (0.90") / Diameter 25mm (0.98") w/Anti Rotation Perma Seal Baseplate Pad
Operating Temp	-40° / +80°C (-40° / +176°F)
Ingress Protection	IP69K

AG611 AG610 Enterprise Series Antennas Include Full Length 15ft Coax Cables
 "Built To Spec" Custom Cable Options are Available. Contact us for details.

AG611 AG610 Antenna Configuration Options

(AG611: 11-Lead Antenna / AG610: 10-Lead Antenna)

<p>AG611 11-Element Configurations (11-Lead)</p>	<p>AG611-BB-6CG4W: Multi-MIMO 6 x Cellular 4G CBRS 5G NR / GPS GNSS / Multi-MIMO 4 x Multi-Band WiFi 7 – (Black) AG611-BW-6CG4W: Multi-MIMO 6 x Cellular 4G CBRS 5G NR / GPS GNSS / Multi-MIMO 4 x Multi-Band WiFi 7 – (White) AG611-BB-4CG6W: Multi-MIMO 4 x Cellular 4G CBRS 5G NR / GPS GNSS / Multi-MIMO 6 x Multi-Band WiFi 7 – (Black) AG611-BW-4CG6W: Multi-MIMO 4 x Cellular 4G CBRS 5G NR / GPS GNSS / Multi-MIMO 6 x Multi-Band WiFi 7 – (White) AG611-BB-8CG2W: Multi-MIMO 8 x Cellular 4G CBRS 5G NR / GPS GNSS / MIMO 2 x Multi-Band WiFi 7 – (Black) AG611-BW-8CG2W: Multi-MIMO 8 x Cellular 4G CBRS 5G NR / GPS GNSS / MIMO 2 x Multi-Band WiFi 7 – (White) AG611-BB-2CG8W: MIMO 2 x Cellular 4G CBRS 5G NR / GPS GNSS / Multi-MIMO 8 x Multi-Band WiFi 7 – (Black) AG611-BW-2CG8W: MIMO 2 x Cellular 4G CBRS 5G NR / GPS GNSS / Multi-MIMO 8 x Multi-Band WiFi 7 – (White) AG611-BB-10CG: Multi-MIMO 10 x Cellular 4G CBRS 5G NR / GPS GNSS – (Black) AG611-BW-10CG: Multi-MIMO 10 x Cellular 4G CBRS 5G NR / GPS GNSS – (White) AG611-BB-10WG: Multi-MIMO 10 x Multi-Band WiFi 7 / GPS GNSS – (Black) AG611-BW-10WG: Multi-MIMO 10 x Multi-Band WiFi 7 / GPS GNSS – (White)</p>
<p>AG610 10-Element Configurations (10-Lead)</p>	<p>AG610-BB-6CG3W: Multi-MIMO 6 x Cellular 4G CBRS 5G NR / GPS GNSS / MIMO 3 x Multi-Band WiFi 7 – (Black) AG610-BW-6CG3W: Multi-MIMO 6 x Cellular 4G CBRS 5G NR / GPS GNSS / MIMO 3 x Multi-Band WiFi 7 – (White) AG610-BB-6C4W: Multi-MIMO 6 x Cellular 4G CBRS 5G NR / Multi-MIMO 4 x Multi-Band WiFi 7 – (Black) AG610-BW-6C4W: Multi-MIMO 6 x Cellular 4G CBRS 5G NR / Multi-MIMO 4 x Multi-Band WiFi 7 – (White) AG610-BB-4C6W: Multi-MIMO 4 x Cellular 4G CBRS 5G NR / Multi-MIMO 6 x Multi-Band WiFi 7 – (Black) AG610-BW-4C6W: Multi-MIMO 4 x Cellular 4G CBRS 5G NR / Multi-MIMO 6 x Multi-Band WiFi 7 – (White) AG610-BB-8C2W: Multi-MIMO 8 x Cellular 4G CBRS 5G NR / MIMO 2 x WiFi Multi-Band – (Black) AG610-BW-8C2W: Multi-MIMO 8 x Cellular 4G CBRS 5G NR / MIMO 2 x WiFi Multi-Band – (White) AG610-BB-2C8W: MIMO 2 x Cellular 4G CBRS 5G NR / Multi-MIMO 8 x Multi-Band WiFi 7 – (Black) AG610-BW-2C8W: MIMO 2 x Cellular 4G CBRS 5G NR / Multi-MIMO 8 x Multi-Band WiFi 7 – (White) AG610-BB-10C: Multi-MIMO 10 x Cellular 4G CBRS 5G NR – (Black) AG610-BW-10C: Multi-MIMO 10 x Cellular 4G CBRS 5G NR – (White) AG610-BB-10W: Multi-MIMO 10 x Multi-Band WiFi 7 – (Black) AG610-BW-10W: Multi-MIMO 10 x Multi-Band WiFi 7 – (White)</p>

AG611 AG610 Enterprise Series Antenna Housing Color Options

Black / White



AG611 AG610 Enterprise Series Antenna Coax Cable Labels

CELL / WIFI / GPS



Supported Cellular Service Provider Networks

Verizon	<p>Verizon 4G LTE 5G NR Bands 4G LTE: B2 B4 B5 B13 B46 B48 B66 (CBRS B48) 5G NR: N2 N5 N66 N77</p> <p>Carriers (MVNOs) using Verizon Network: <i>Reach Mobile, Red Pocket Mobile, Spectrum Mobile, Ting Total, Tracfone, Twigby, US Mobile, Visible, Xfinity Mobile</i></p>
T-Mobile	<p>Mobile 4G LTE 5G NR Bands 4G LTE: B2 B4 B5 B12 B25 B26 B41 B48 B66 B71 (CBRS B48) 5G NR: N25 N41 N66 N71</p> <p>Carriers (MVNOs) using T-Mobile Network <i>Mint Mobile, TextNow, Lyca Mobile, Metro, Red Pocket Mobile Republic Wireless, Simple Mobile, Ting, Tracfone, US Mobile</i></p>
AT&T	<p>AT&T 4G LTE 5G NR Bands 4G LTE: B2 B4 B5 B12 B14 B17 B29 B30 B48 B66 (CBRS B48) GSM: 1900MHz 5G NR: N2 N5 N66 N77</p> <p>Carriers (MVNOs) using AT&T Network <i>Cricket Wireless, Net 10 Wireless, Red Pocket Mobile, Straight Talk</i></p>

Supported Cellular Bands

5G NR Bands	n1 n2 n3 n5 n7 n8 n12 n13 n14 n18 n20 n25 n26 n28 n29 n30 n38 n40 n41 n48-CBRS n66 n71 n75 n76 n77 n78 n79 C-band
4G LTE Bands	B1 B2 B3 B4 B5 B7 B8 B12 B13 B14-FirstNet B17 B18 B19 B20 B25 B26 B28 B29 B30 B32 B38 B39 B40 B41 B42 B43 B46-LAA B48-CBRS B66 B71
3G Bands	B1 B2 B3 B4 B5 B6 B8 B9 B19

Supported WiFi IEEE Standards

WiFi 1-7	WiFi 1 WiF 2 (802.11ba) WiFi 3 (802.11g) WiFi 4 (802.11n) WiFi 5 (802.11ac) WiFi 6 6E (802.11ax) WiFi 7 (802.11be)
* WiFi HaLow	WiFi HaLow (802.11ah) * Contact Us For AG600 HaLow WiFi Configuration Options



AG611 AG610 Enterprise Series Antenna
Dimensions

Height: 114mm (4.5") / Base Diameter 140mm (5.5")

114mm / 4.5"



140mm / 5.5"

Stainless Steel Mounting Bolt
Length 23mm (0.90")
Diameter 25mm (0.98")



Stainless Steel Mounting Bolt
Length 23mm (0.90")
Diameter 25mm (0.98")

Anti-Rotation Perma-Seal
Adhesive Baseplate Pad

AG611 AG610 Enterprise Series Antennas
Optional: AG-Lander Magnetic Mount / L-Bracket Mount
(Sold Separately)

AG611 AG610 Enterprise Series Antenna
w/ Optional AG-Lander Mag Mount
AG-Lander Sold Separately



Optional: Rugged Adjustable
AG-Lander Magnetic Mount
Sold Separately

AG611 AG610 Enterprise Series Antenna
w/ Optional L-Bracket Mount
L-Bracket Sold Separately



Optional: L-Bracket Mount
w/U-Bolt Set
Sold Separately