AG611 AG610 Enterprise Series Antenna
Multi-MIMO / Multi-Carrier Cellular 4G LTE CBRS 5G NR
Multi-MIMO Multi-Band WiFi 6 / Bluetooth - 2.4~7GHz / GPS GNSS
Built-In Ground Plane / Bolt Mount / SMA / FAKRA
Optional: Rugged AG-Lander Adjustable Magnetic Mount Adapter

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 6 (2.4~7GHz)
(AG611: 11 Lead Antennas / AG610: 10 Lead Antennas)

Multi-MIMO Multi-Carrier / Multi-Technology 4G LTE CBRS 5G NR Compliant	Verizon 4G 5G (DSS) Bands: *B2 B4 B5 B13 B46 B48 B66* T-Mobile 4G 5G Bands: *B2 B4 B5 B12 B25 B26 B41 B66 B71 n25 n41 n66 n71* AT&T 4G 5G Bands: *B2 B4 B5 B12 B14 B17 B29 B30 B66 n5* CBRS LTE Band: *B48* / 5G NR Bands: *n77 n78 n79*
4G LTE CBRS 5G NR Frequency Range WiFi 6 Frequency Range	617-960MHz / 1710-7000MHz 2.4-2.5GHz / 4.9-7GHz *(Concurrent)*
4G LTE CBRS 5G NR Peak Gain: *Isotropic* WiFi Peak Gain: *Isotropic*	(4dBi) 617-960MHz / (8dBi) 1710-3800MHz / (9dBi) 4900-7000MHz / (6.5dBi) CBRS LTE 3.5GHz (8dBi) 2.4-2.5GHz / (8dBi) 4.9-7GHz
Typical Efficiency 4G 5G Elements	617-960MHz >65% 1710-3800MHz >75% 4900-7000MHz >85%
Typical Efficiency WiFi Elements	>70%
Isolation 4G 5G Elements Isolation WiFi Elements	>10dB >12dB
Correlation Co-efficient 4G 5G Elements Correlation Co-efficient WiFi Elements	<0.2 <0.1
Nominal Impedance	50Ω
GPS GNSS Specifications	GPS Glonass Galileo QZSS Compass *In-Band Frequency Interference Filter for LTE B13 B14*
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
Antenna Housing	High Impact UV Stable ABS Polymer (Black or White) Housing Height: *120mm (4.7")* / 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 CFD200 Coax Cables / Multi-Band WiFi CFD200 Coax Cables / GPS GNSS CFD100 Coax Cable * Custom cable lengths & connector end options are available (Including FAKRA Connector Ends)
Mounting Bolt	Steel Mounting Bolt: *Length 24mm (0.95")* / *Diameter 25mm (1")* w/Anti Rotation Perma Seal Baseplate Pad
Operating Temp	-40° / +80°C (-40° / +176°F)
Ingress Protection	IP69K

AG611 AG610 Enterprise Series Antennas Include Built in Ground Plane / Full Length15ft Coax Cables
"Built To Spec" Options are Available. Contact us for details.

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Antenna Configuration Options

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

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

AG610F 10-Lead Antenna Options - Sierra Wireless XR80 Series w/FAKRA Connector Ends

(AG610F 10-Lead 4 x Cell / GPS GNSS / 5 x WiFi 6 Antenna)

Sierra Wireless XR80 (4 x Cell / GPS / 5 x WiFi)	AG610F-BB-4CG5W: *Multi-MIMO 4 x Cellular 4G CBRS 5G NR / GPS GNSS / MIMO 5 x Multi-Band WiFi - (Black)* AG610F-BW-4CG5W: *Multi-MIMO 4 x Cellular 4G CBRS 5G NR / GPS GNSS / MIMO 5 x Multi-Band WiFi - (White)*

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AG611 AG610 Enterprise Series Antennas

AG611: *11-Lead Antennas* / AG610: *10 Lead-Antennas*

Optional: Rugged AG-Lander
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