

**AG99 AG98 AG97 AG96 AG95 Low-Profile Series Mobility Antenna Specifications**
*Multi-Carrier Multi MIMO Cellular 4G 5G CBRS / GPS GNSS / Multi MIMO Dual Band WiFi 2.4 5GHz*

Multi-MIMO Multi-Carrier / Multi-Technology 4G LTE CBRS 5G Compliant	Verizon 4G 5G (DSS) Bands: <i>B2 B4 B5 B13 B46 B48 B66</i> T-Mobile 4G 5G Bands: <i>B2 B4 B5 B12 B25 B26 B41 B66 B71 n25 n41 n66 n71</i> AT&T 4G 5G Bands: <i>B2 B4 B5 B12 B14 B17 B29 B30 B66 n5</i> CBRS LTE Band: <i>B48</i>
4G 5G CBRS Frequency Range WiFi Frequency Range	617-960MHz / 1710-6000MHz 2.4-2.5GHz / 4.9-6GHz ( <i>Concurrent</i> )
4G 5G CBRS Avg. Peak Gain: <i>Isotropic (dBi)</i> WiFi Avg. Peak Gain: <i>Isotropic (dBi)</i>	(3dBi) 617-960MHz / (5.5dBi) 1710-3800MHz / (5.5dBi) 4900-6000MHz / (5.3dBi) CBRS 3.5GHz (9dBi) 2.4-2.5GHz / (9dBi) 4.9-6GHz
Typical Efficiency 4G 5G Elements	617-960MHz >60% 1710-3800MHz >65% 4900-6000MHz >85%
Typical Efficiency WiFi Elements	>70%
Isolation 4G 5G Elements Isolation WiFi Elements	>12dB >14dB
Correlation Co-efficient 4G 5G Elements Correlation Co-efficient WiFi Elements	<0.2 <0.1
Radiation Pattern	Omni Directional
Nominal Impedance	50Ω
GPS GNSS Specifications	GPS Glonass Galileo QZSS 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
Antenna Housing	High Impact UV Stable ABS Polymer (Black or White) Housing Height: 65mm (2.56") / Base Length: 200mm (7.87") / Base Width: 60mm (2.36")
Connector Types	All Standard RF Connectors Available
15ft Coax Cables (All Cables Full Length)	Cellular 4G 5G CFD200 Coax Cables / Dual Band WiFi CFD200 Coax Cables / GPS GNSS CFD100 Coax Cable * Custom cable lengths & connector end options are available
Mounting Bolt	Stainless Steel Mounting Bolt: Length 24mm (0.95") / Diameter: 30mm (1.18") Diameter w/Anti Rotation Perma Seal Baseplate Pad
Operating Temp	-40° / +80°C (-40° / +176°F)
Ingress Protection	IP69K

Antenna Configuration Options

<p>AG99 9-Element Configurations</p>	<p>AG99-BB-4CG4W: Multi-MIMO 4 x Cellular 3G 4G 5G CBRS / GPS GNSS / Multi-MIMO 4 x WiFi Dual Band – (Black) AG99-BW-4CG4W: Multi-MIMO 4 x Cellular 3G 4G 5G CBRS / GPS GNSS / Multi-MIMO 4 x WiFi Dual Band – (White)</p> <p>AG99-BB-6CG2W: Multi-MIMO x 6 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 2 x WiFi Dual Band – (Black) AG99-BW-6CG2W: Multi-MIMO x 6 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 2 x WiFi Dual Band – (White)</p> <p>AG99-BB-2CG6W: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / Multi-MIMO 6 x WiFi Dual Band – (Black) AG99-BW-2CG6W: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / Multi-MIMO 6 x WiFi Dual Band – (White)</p> <p>AG99-BB-8CG: Multi-MIMO 8 x Cellular 3G 4G 5G CBRS / GPS GNSS – (Black) AG99-BW-8CG: Multi-MIMO 8 x Cellular 3G 4G 5G CBRS / GPS GNSS – (White)</p> <p>AG99-BB-8WG: Multi-MIMO 8 x WiFi Dual Band / GPS GNSS – (Black) AG99-BW-8WG: Multi-MIMO 8 x WiFi Dual Band / GPS GNSS – (White)</p>
<p>AG98 8-Element Configurations</p>	<p>AG98-BB-4CG3W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 3 x WiFi Dual Band – (Black) AG98-BW-4CG3W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 3 x WiFi Dual Band – (White)</p> <p>AG98-BB-4C4W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / Multi MIMO 4 x WiFi Dual Band – (Black) AG98-BW-4C4W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / Multi MIMO 4 x WiFi Dual Band – (White)</p> <p>AG98-BB-2C6W: MIMO x 2 Cellular 3G 4G 5G CBRS / Multi MIMO 6 x WiFi Dual Band – (Black) AG98-BW-2C6W: MIMO x 2 Cellular 3G 4G 5G CBRS / Multi MIMO 6 x WiFi Dual Band – (White)</p> <p>AG98-BB-6C2W: Multi MIMO x 6 Cellular 3G 4G 5G CBRS / MIMO 2 x WiFi Dual Band – (Black) AG98-BW-6C2W: Multi MIMO x 6 Cellular 3G 4G 5G CBRS / MIMO 2 x WiFi Dual Band – (White)</p> <p>AG98-BB-8C: Multi-MIMO 8 x Cellular 3G 4G 5G CBRS – (Black) AG98-BW-8C: Multi-MIMO 8 x Cellular 3G 4G 5G CBRS – (White)</p> <p>AG98-BB-8W: Multi MIMO 8 x WiFi Dual Band – (Black) AG98-BW-8W: Multi MIMO 8 x WiFi Dual Band – (White)</p>
<p>AG97 7-Element Configurations</p>	<p>AG97-BB-4CG2W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 2 x WiFi Dual Band – (Black) AG97-BW-4CG2W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 2 x WiFi Dual Band – (White)</p> <p>AG97-BB-2CG4W: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / Multi-MIMO 4 x WiFi Dual Band – (Black) AG97-BW-2CG4W: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / Multi-MIMO 4 x WiFi Dual Band – (White)</p> <p>AG97-BB-4C3W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / MIMO 3 x WiFi Dual Band – (Black) AG97-BW-4C3W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / MIMO 3 x WiFi Dual Band – (White)</p> <p>AG97-BB-6CG: Multi-MIMO 6 x Cellular 3G 4G 5G CBRS / GPS GNSS – (Black) AG97-BW-6CG: Multi-MIMO 6 x Cellular 3G 4G 5G CBRS / GPS GNSS – (White)</p> <p>AG97-BB-6WG: Multi-MIMO 6 x WiFi Dual Band / GPS GNSS – (Black) AG97-BW-6WG: Multi-MIMO 6 x WiFi Dual Band / GPS GNSS – (White)</p>
<p>AG96 6-Element Configurations</p>	<p>AG96-BB-2CG3W: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 3 x WiFi Dual Band – (Black) AG96-BW-2CG3W: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 3 x WiFi Dual Band – (White)</p> <p>AG96-BB-2C4W: MIMO x 2 Cellular 3G 4G 5G CBRS / Multi-MIMO 4 x WiFi Dual Band – (Black) AG96-BW-2C4W: MIMO x 2 Cellular 3G 4G 5G CBRS / Multi-MIMO 4 x WiFi Dual Band – (White)</p> <p>AG96-BB-4C2W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / MIMO 2 x WiFi Dual Band – (Black) AG96-BW-4C2W: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / MIMO 2 x WiFi Dual Band – (White)</p> <p>AG96-BB-6C: Multi-MIMO 6 x Cellular 3G 4G 5G CBRS – (Black) AG96-BW-6C: Multi-MIMO 6 x Cellular 3G 4G 5G CBRS – (White)</p> <p>AG96-BB-6W: Multi-MIMO 6 x WiFi Dual Band – (Black) AG96-BW-6W: Multi-MIMO 6 x WiFi Dual Band – (White)</p>
<p>AG95 5-Element Configurations</p>	<p>AG95-BB-2C3W: MIMO x 2 Cellular 3G 4G 5G CBRS / MIMO 3 x WiFi Dual Band – (Black) AG95-BW-2C3W: MIMO x 2 Cellular 3G 4G 5G CBRS / MIMO 3 x WiFi Dual Band – (White)</p> <p>AG95-BB-4CG: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / GPS GNSS – (Black) AG95-BW-4CG: Multi-MIMO x 4 Cellular 3G 4G 5G CBRS / GPS GNSS – (White)</p> <p>AG95-BB-4WG: Multi-MIMO x 4 WiFi Dual Band / GPS GNSS – (Black) AG95-BW-4WG: Multi-MIMO x 4 WiFi Dual Band / GPS GNSS – (White)</p>

Base Length 200mm (7.87") / Base Width 60mm (2.36")  
 Height: 65mm (2.56")

Top View

Width  
 60mm  
 (2.36")



Length 200mm (7.87")

Side View

Height  
 65mm  
 (2.56")



Mounting Bolt  
 Length 24mm (0.95")  
 Diameter 30mm (1.18")

End View



[Optional: Rugged AG-Lander  
 Adjustable Magnetic Mount Adapter](#)