



Dual AG60 Antenna Solution (17-Leads)
AG617 Enterprise Series MIMO Mobility M2M IoT Antenna
MIMO 8 x Cellular 4G LTE CBRS 5G NR / GPS GNSS
MIMO 8 x Multi-Band WiFi 7 / WiFi HaLow / Bluetooth
Built-In Ground Plane / Bolt Mount (SMA)

AG617 Enterprise Series Mobility M2M IoT Antenna Specifications – Dual AG60 Antenna Solution (17-Leads)
Multi-Carrier Multi MIMO 8 x Cellular 4G LTE CBRS 5G NR / GPS GNSS / Multi MIMO 8 x Multi-Band WiFi 7 / WiFi HaLow

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 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
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

Supported Cellular Service Provider Networks	
Verizon	Verizon 4G LTE 5G NR Bands 4G LTE: B2 B4 B5 B13 B46 B48 B66 (CBRS B48) 5G NR: N2 N5 N66 N77 Carriers (MVNOs) using Verizon Network: <i>Reach Mobile, Red Pocket Mobile, Spectrum Mobile, Ting Total, Tracfone, Twigby, US Mobile, Visible, Xfinity Mobile</i>
T-Mobile	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 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>
AT&T	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 Carriers (MVNOs) using AT&T Network <i>Cricket Wireless, Net 10 Wireless, Red Pocket Mobile, Straight Talk</i>
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) WiiFi 6 6E (802.11ax) WiFi 7 (802.11be)
* WiFi HaLow	WiFi HaLow (802.11ah) * Contact Us For AG617 HaLow WiFi Configuration Options



AG617 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

AG617 Enterprise Series Antennas
 Optional: AG-Lander Magnetic Mount / L-Bracket Mount
 (Sold Separately)

AG617 Enterprise Series Antenna
 w/ Optional AG-Lander Mag Mount
 AG-Lander Sold Separately



Optional: Rugged Adjustable
 AG-Lander Magnetic Mount
 Sold Separately

AG617 Enterprise Series Antenna
 w/ Optional L-Bracket Mount
 L-Bracket Sold Separately



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

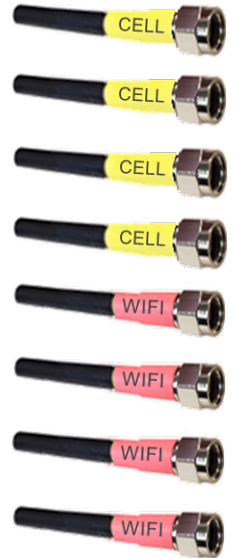
AG617 Enterprise Series Antenna Housing Color Options <i>Black White</i>	
	
AG617 Enterprise Series Antenna Connector End Labels (SMA Connector Ends) <i>CELL WIFI GPS</i>	
Cell SMA Male  WiFi RP SMA Male  GPS SMA Male 	
Dual AG60 Antenna Solution (17-Leads) AG617 Enterprise Series Configuration Option (SMA Connector Ends) MIMO 8 x Cellular 4G LTE CBRS 5G NR GPS GNSS MIMO 8 x WiFi 7 Antenna Solution	
AG617 17-Element 17-Lead / SMA Black	Mfg. Part: AG617-BB-8CG8W (Black) Includes AG69-BB-4CG4W: MIMO 4 x Cellular 4G LTE CBRS 5G NR / GPS GNSS / MIMO 4 x Multi-Band WiFi 7 – (Black) AG68-BB-4C4W: MIMO 4 x Cellular 4G LTE CBRS 5G NR / MIMO 4 x Multi-Band WiFi 7 – (Black)
AG617 17-Element 17-Lead / SMA White	Mfg. Part: AG617-BW-8CG8W (White) Includes AG69-BW-4CG4W: MIMO 4 x Cellular 4G LTE CBRS 5G NR / GPS GNSS / MIMO 4 x Multi-Band WiFi 7 – (White) AG68-BW-4C4W: MIMO 4 x Cellular 4G LTE CBRS 5G NR / MIMO 4 x Multi-Band WiFi 7 – (White)
Contact Us for Additional AG617 17-Element Configuration Options	

AG617 Enterprise Series Configuration Option (SMA Connector Ends)
 Mfg. Part: AG617-BB-8CG8W (Black)
 Includes

Antenna 1 (9-Lead)
 AG69-BB-4CG4W:



Antenna 2 (8-Lead)
 AG68-BB-4C4W:



AG617 Enterprise Series Configuration Option (SMA Connector Ends)
 Mfg. Part: AG617-BW-8CG8W (White)
 Includes

Antenna 1 (9-Lead)
 AG69-BW-4CG4W:



Antenna 2 (8-Lead)
 AG68-BW-4C4W:

