






M450 M440 M430 Low-Profile Series Mobility Antenna Specifications - Bolt Mount / Magnetic Mount
 Multi-Carrier Multi MIMO Cellular 4G LTE CBRS 5G / GPS GNSS / Multi MIMO Dual Band WiFi 2.4 5GHz




Multi-Carrier / Multi-Technology MIMO 4G LTE CBRS 5G 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 Band: B48
4G 5G Frequency Range WiFi Frequency Range	617-960MHz / 1710-6000MHz 2.4-2.5GHz / 4.9-6GHz (Concurrent)
4G 5G Peak Gain: <i>Isotropic (dBi)</i> WiFi Peak Gain: <i>Isotropic (dBi)</i>	(2dBi) 617-960MHz / (3dBi) 1710-3800MHz / (5.5dBi) 4900-6000MHz / (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 In-Band Frequency Interference Filter for LTE B13 B14
Frequency Range	1562-1612MHz
LNA Gain	26dB ± 2dB
VSWR	<2.0:1
Out of Band Rejection	>40dB (@ > +/- 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) Bolt Mount: Housing Height: 50mm (2") / Base Length: 56mm (2.2") / Base Width: 56mm (2.2") Magnetic Mount: Housing Height: 60mm (2.36") / Base Length: 56mm (2.2") / Base Width: 56mm (2.2")
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
Bolt Mount Magnetic Mount	Stainless Steel Mounting Bolt: Length 20mm (0.8") / Diameter 22mm (0.9") Commercial Grade Rare Earth Magnets w/Baseplate Pad
Operating Temp	-40° / +80°C (-40° / +176°F)
Ingress Protection	IP69K



Bolt Mount Antenna Configuration Options

<p>M450 5-Element Bolt Mount Configurations</p>	<p>M450-BB-2CG2W: MIMO 2 x Cellular 3G 4G 5G / GPS GNSS / MIMO 2 x WiFi Dual Band – (Black) M450-BW-2CG2W: MIMO 2 x Cellular 3G 4G 5G / GPS GNSS / MIMO 2 x WiFi Dual Band – (White) M450-BB-4CG: Multi-MIMO 4 x Cellular 3G 4G 5G / GPS GNSS – (Black) M450-BW-4CG: Multi-MIMO 4 x Cellular 3G 4G 5G / GPS GNSS – (White) M450-BB-4WG: Multi-MIMO 4 x WiFi Dual Band / GPS GNSS – (Black) M450-BW-4WG: Multi-MIMO 4 x WiFi Dual Band / GPS GNSS – (White)</p>	
<p>M440 4-Element Bolt Mount Configurations</p>	<p>M440-BB-2CGW: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS / WiFi Dual Band – (Black) M440-BW-2CGW: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS / WiFi Dual Band – (White) M440-BB-2C2W: MIMO x 2 Cellular 3G 4G 5G / MIMO 2 x WiFi Dual Band – (Black) M440-BW-2C2W: MIMO x 2 Cellular 3G 4G 5G / MIMO 2 x WiFi Dual Band – (White) M440-BB-4C: Multi-MIMO 4 x Cellular 3G 4G 5G – (Black) M440-BW-4C: Multi-MIMO 4 x Cellular 3G 4G 5G – (White) M440-BB-4W: Multi MIMO 4 x WiFi Dual Band – (Black) M440-BW-4W: Multi MIMO 4 x WiFi Dual Band – (White)</p>	
<p>M430 3-Element Bolt Mount Configurations</p>	<p>M430-BB-2CG: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS – (Black) M430-BW-2CG: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS – (White) M430-BB-2WG: MIMO x 2 Dual Band WiFi / GPS GNSS – (Black) M430-BW-2WG: MIMO x 2 Dual Band WiFi / GPS GNSS – (White) M430-BB-3W: MIMO 3 x WiFi Dual Band / GPS GNSS – (Black) M430-BW-3W: MIMO 3 x WiFi Dual Band / GPS GNSS – (White)</p>	

Magnetic Mount Antenna Configuration Options

<p>M450 5-Element Magnetic Mount Configurations</p>	<p>M450-MB-2CG2W: MIMO 2 x Cellular 3G 4G 5G / GPS GNSS / MIMO 2 x WiFi Dual Band – (Black) M450-MW-2CG2W: MIMO 2 x Cellular 3G 4G 5G / GPS GNSS / MIMO 2 x WiFi Dual Band – (White) M450-MB-4CG: Multi-MIMO 4 x Cellular 3G 4G 5G / GPS GNSS – (Black) M450-MW-4CG: Multi-MIMO 4 x Cellular 3G 4G 5G / GPS GNSS – (White) M450-MB-4WG: Multi-MIMO 4 x WiFi Dual Band / GPS GNSS – (Black) M450-MW-4WG: Multi-MIMO 4 x WiFi Dual Band / GPS GNSS – (White)</p>	
<p>M440 4-Element Magnetic Mount Configurations</p>	<p>M440-MB-2CGW: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS / WiFi Dual Band – (Black) M440-MW-2CGW: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS / WiFi Dual Band – (White) M440-MB-2C2W: MIMO x 2 Cellular 3G 4G 5G / MIMO 2 x WiFi Dual Band – (Black) M440-MW-2C2W: MIMO x 2 Cellular 3G 4G 5G / MIMO 2 x WiFi Dual Band – (White) M440-MB-4C: Multi-MIMO 4 x Cellular 3G 4G 5G – (Black) M440-MW-4C: Multi-MIMO 4 x Cellular 3G 4G 5G – (White) M440-MB-4W: Multi MIMO 4 x WiFi Dual Band – (Black) M440-MW-4W: Multi MIMO 4 x WiFi Dual Band – (White)</p>	
<p>M430 3-Element Magnetic Mount Configurations</p>	<p>M430-MB-2CG: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS – (Black) M430-MW-2CG: MIMO x 2 Cellular 3G 4G 5G / GPS GNSS – (White) M430-MB-2WG: MIMO x 2 Dual Band WiFi / GPS GNSS – (Black) M430-MW-2WG: MIMO x 2 Dual Band WiFi / GPS GNSS – (White) M430-MB-3W: MIMO 3 x WiFi Dual Band / GPS GNSS – (Black) M430-MW-3W: MIMO 3 x WiFi Dual Band / GPS GNSS – (White)</p>	



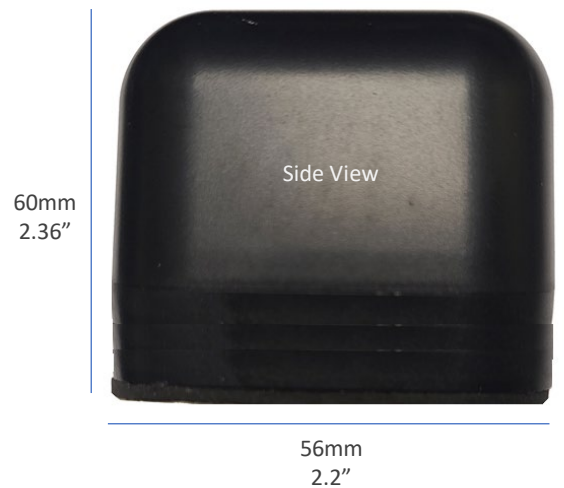
M450 M440 M430 Low-Profile Series Antenna
 Enterprise Grade Mobile Connectivity
 Multi-MIMO / Multi-Carrier 4G LTE CBRS 5G Compliant
 Built-In Ground Plane / Bolt Mount or Magnetic Mount

Bolt Mount Antennas
 Base: 56mm (2.2") x 56mm (2.2")
 Height: 50mm (2")



Mounting Bolt
 20mm (0.8") Length
 22mm (0.9") Diameter

Magnetic Mount Antennas
 Base: 56mm (2.2") x 56mm (2.2")
 Height: 60mm (2.36")



Top View

