



M530 M520 Enterprise Series Antenna
 Enterprise Grade Mobile Connectivity
 MIMO / Multi-Carrier 4G LTE CBRS 5G Compliant
 Built-In Ground Plane / Bolt Mount
 Optional: [Rugged M-Lander Adjustable Magnetic Mount Adapter](#)

M530 M520 Enterprise Series Mobility Antenna Specifications
 Multi-Carrier MIMO Cellular 4G LTE CBRS 5G / GPS GNSS / 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 LTE Band: B48
4G 5G CBRS Frequency Range WiFi Frequency Range	617-960MHz / 1710-6000MHz 2.4-2.5GHz / 4.9-6GHz (Concurrent)
4G 5G CBRS Avg. Peak Gain: <i>Isotropic (dBi)</i> WiFi Avg. Peak Gain: <i>Isotropic (dBi)</i>	(3.5dBi) 617-960MHz / (6dBi) 1710-3800MHz / (7dBi) 4900-6000MHz / (5dBi) CBRS 3.5GHz (9dBi) 2.4-2.5GHz / (9dBi) 4.9-6GHz
Typical Efficiency 4G 5G Elements	617-960MHz >70% 1710-3800MHz >70% 4900-6000MHz >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 <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: 81mm (3.2") / Base Diameter: 106mm (4.2")
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 AFC100 Coax Cable <i>* Custom cable lengths & connector end options are available</i>
Mounting Bolt	Stainless Steel Mounting Bolt: Length 20mm (0.8") / Diameter 19mm (0.75") w/Anti Rotation Perma-Seal Baseplate Pad
Operating Temp	-40° / +80°C (-40° / +176°F)
Ingress Protection	IP69K



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Antenna Configuration Options	
M530 3-Element Configurations	M530-BB-2CG: MIMO 2 x Cellular 3G 4G 5G CBRS / GPS GNSS – (Black) M530-BW-2CG: MIMO 2 x Cellular 3G 4G 5G CBRS / GPS GNSS – (White) M530-BB-2WG: MIMO 2 x WiFi Dual Band / GPS GNSS – (Black) M530-BW-2WG: MIMO 2 x WiFi Dual Band / GPS GNSS – (White) M530-BB-CGW: Cellular 3G 4G 5G CBRS / GPS GNSS / WiFi Dual Band – (Black) M530-BW-CGW: Cellular 3G 4G 5G CBRS / GPS GNSS / WiFi Dual Band – (White)
M520 2-Element Configurations	M520-BB-2C: MIMO x 2 Cellular 3G 4G 5G CBRS – (Black) M520-BW-2C: MIMO x 2 Cellular 3G 4G 5G CBRS – (White) M520-BB-2W: MIMO 2 x WiFi Dual Band – (Black) M520-BW-2W: MIMO 2 x WiFi Dual Band – (White) M520-BB-CG: Cellular 3G 4G 5G CBRS / GPS GNSS – (Black) M520-BW-CG: Cellular 3G 4G 5G CBRS / GPS GNSS – (White) M520-BB-WG: WiFi Dual Band / GPS GNSS – (Black) M520-BW-WG: WiFi Dual Band / GPS GNSS – (White) M520-BB-CW: Cellular 3G 4G 5G CBRS / WiFi Dual Band – (Black) M520-BW-CW: Cellular 3G 4G 5G CBRS / WiFi Dual Band – (White)

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