



M19M 2-Lead Omni MIMO Series Cellular 4G 5G / WiFi 6 Antenna
 MIMO 2-Lead Cellular 4G LTE CBRS 5G NR / MIMO WiFi 6 / HaLow
 Omni Directional / Magnetic Mount / Outside or Inside Use
 * Contact Us For M19M HaLow WiFi Configuration Options

M19M Omni MIMO Series M2M IoT Antenna Specifications – Magnetic Mount	
Multi-Carrier MIMO 4G LTE CBRS 5G NR / MIMO Multi Band WiFi 6 (2.4GHz~6GHz) WiFi HaLow (902~928Mhz) / Bluetooth (2.4GHz)	
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4G LTE CBRS 5G NR Frequency Range Bluetooth (2.4GHz) WiFi 6 Frequency Range	617-960MHz / 1710-6000MHz 2.4-2.5GHz / 4.9-6GHz (Concurrent)
4G CBRS 5G NR Avg. Peak Gain: <i>Isotropic</i> WiFi / Bluetooth Avg. Peak Gain: <i>Isotropic</i>	(3.5dBi) 617-960MHz / (6dBi) 1710-3800MHz / (7dBi) 4900-6000MHz / (5dBi) CBRS 3.5GHz (9dBi) 2.4~6GHz / (4dBi) WiFi HaLow 902~928Mhz * Contact Us For M19M HaLow WiFi Configuration Options
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 / Bluetooth Elements	>10dB >12dB
Correlation Co-efficient 4G 5G Elements Correlation Co-efficient WiFi / BT Elements	<0.2 <0.1
Horizontal Half Power Beamwidth	360° / 360°
Vertical Half Power Beamwidth	70° / 35°
VSWR	≤2.0 / ≤2.0
Nominal Impedance	50Ω
Polarization	MIMO 2 x Vertical Omni Directional
Max. Power	50W
Mechanical / Environmental Specifications	
Radome	High Impact Polycarbonate Height: 9.3" / 237mm – Diameter: 2.4" / 60mm
16ft Coax Cables 1ft Coax Cables	2 x Cellular 4G 5G 16ft AGA200 Coax – SMA Male / 2 x WiFi 16ft AGA200 Coax – RP SMA Male 2 x Cellular 4G 5G 1ft AGA200 Coax – NF / 2 x WiFi 1ft AGA200 Coax – NF (Custom Length Coax Cable Options are Available. Contact us for details)
Connector Types	All Standard RF Connectors Available (Including FAKRA Connector Ends)
Mount Type	Rare Earth Magnetic Mount
Ingress Protection	IP69K
Wind Velocity	120 MPH
Operating Temp	-40° / +80°C (-40° / +176°F)
Net Weight	1.5bs / 0.7kg



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 1-6	WiFi 1 WiF 2 (802.11ba) WiFi 3 (802.11g) WiFi 4 (802.11n) WiFi 5 (802.11ac) WiiFi 6 6E (802.11ax)
* WiFi HaLow	WiFi HaLow (802.11ah) * Contact Us For M19M HaLow WiFi Configuration Options





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M19M Omni MIMO Series Antenna
 Dimensions / Magnetic Mount



Magnetic Mount

M19M / M19MF MIMO Series Antennas Include Built in Ground Plane / Coax Cables / Magnetic Mount
 "Built To Spec" Custom Cable Options are Available. Contact us for details.





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M19M 2-Lead Omni MIMO Antenna Configuration Options – Magnetic Mount (2 x 16ft Coax Cables)

Configuration Options (SMA)	M19M-16-2C: MIMO 2 x Cellular 4G 5G Antenna w/2 x 16ft Coax Cables – 2 x SMA M19M-16-2W: MIMO 2 x WiFi 6 Antenna w/2 x 16ft Coax Cables – 2 x RPSMA M19M-16-CW: Cellular 4G 5G / WiFi 6 Antenna w/2 x 16ft Coax Cables – SMA / RPSMA
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M19MF-16-SMA



Includes
 2 x 16ft Coax Cables
 Magnetic Mount

M19M-16-2C



M19M-16-2W



M19M-16-CW





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M19MF 2-Lead Omni MIMO Antenna Configuration Options – Magnetic Mount (2 x 16ft Coax Cables)

Configuration Options (FAKRA)	M19MF-16-2C: MIMO 2 x Cellular 4G 5G Antenna w/2 x 16ft Coax Cables – FAKRA M19MF-16-2W: MIMO 2 x WiFi 6 Antenna w/2 x 16ft Coax Cables – FAKRA M19MF-16-CW: Cellular 4G 5G / WiFi 6 Antenna w/2 x 16ft Coax Cables – FAKRA
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M19MF-16-FAKRA

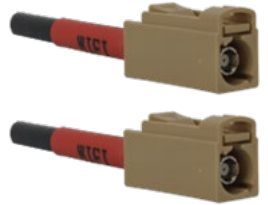


Includes
 2 x 16ft Coax Cables
 Magnetic Mount

M19MF-16-2C



M19MF-16-2W



M19MF-16-CW





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M19M 2-Lead Omni MIMO Antenna Configuration Options – Magnetic Mount (2 x 1ft Coax Cables)

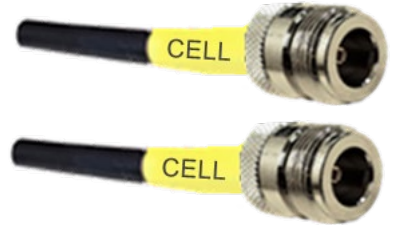
Configuration Options (NF)	M19M-1-2C: MIMO 2 x Cellular 4G 5G Antenna w/2 x 1ft Coax Cables – 2 x NF M19M-1-2W: MIMO 2 x WiFi 6 Antenna w/2 x 1ft Coax Cables – 2 x NF M19M-1-CW: Cellular 4G 5G / WiFi 6 Antenna w/2 x 1ft Coax Cables – 2 x NF
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M19M-1-NF



Includes
 2 x 1ft Coax Cables
 Magnetic Mount

M19M-1-2C



M19M-1-2W



M19M-1-CW

