



M18M 3-Lead Cellular 4G LTE 5G NR / WiFi 6 / GPS GNSS Antenna
 MIMO Cellular 4G LTE 5G NR / MIMO WiFi 6 / GPS GNSS
 Omni-Directional / Magnetic Mount / Outside or Inside Use
 * Contact Us For M18M HaLow WiFi Configuration Options

M18M 3-Lead Omni MIMO Cellular 4G LTE 5G NR / MIMO WiFi 6 / GPS GNSS Specifications – Magnetic Mount
 Multi-Carrier MIMO Cellular 4G LTE CBRS 5G NR / GPS GNSS / MIMO Multi Band WiFi 6 (2.4GHz ~6GHz) / 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>	(3dBi) 617-960MHz / (4dBi) 1710-3800MHz / (5dBi) 4900-6000MHz / (5dBi) CBRS 3.5GHz (8dBi) 2.4~6GHz / (3dBi) WiFi HaLow 902~928Mhz * Contact Us For M18M HaLow WiFi Configuration Options
Typical Efficiency 4G 5G Elements	617-960MHz >72% 1710-3800MHz >72% 4900-6000MHz >87%
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: 5.62" / 142.75mm – Diameter: 2.48" / 63mm
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	Commercial Grade 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





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Max. Power	50W
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





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Connector Types	All Standard RF Connectors Available (Including FAKRA Connector Ends)
Mount Type	Commercial Grade 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 M18M HaLow WiFi Configuration Options



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M18M Omni MIMO Series Antenna
 Dimensions / Magnetic Mount



M18M / M18MF 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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M18M 3-Lead Omni MIMO Antenna Configuration Options – Magnetic Mount (3 x 16ft Coax Cables)

<p>Configuration Options (SMA)</p>	<p>M18M-16-2CG: MIMO 2 x Cellular 4G 5G / GPS GNSS Antenna w/3 x 16ft Coax Cables – 3 x SMA M18M-16-2WG: MIMO 2 x WiFi 6 / GPS GNSS Antenna w/3 x 16ft Coax Cables – 2 x RPSMA / SMA M18M-16-CWG: Cellular 4G 5G / WiFi 6 / GPS GNSS Antenna w/3 x 16ft Coax Cables – SMA / RPSMA / SMA * Contact Us For M18M HaLow WiFi Configuration Options</p>
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Includes
 3 x 16ft Coax Cables
 Magnetic Mount

Magnetic Mount



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M18MF 3-Lead Omni MIMO Antenna Configuration Options – Magnetic Mount (3 x 16ft Coax Cables)

<p>Configuration Options (FAKRA)</p>	<p>M18MF-16-2CG: MIMO 2 x Cellular 4G 5G / GPS GNSS Antenna w/3 x 16ft Coax Cables – FAKRA M18MF-16-2WG: MIMO 2 x WiFi 6 / GPS GNSS Antenna w/3 x 16ft Coax Cables – FAKRA M18MF-16-CWG: Cellular 4G 5G / WiFi 6 / GPS GNSS Antenna w/3 x 16ft Coax Cables – FAKRA * Contact Us For M18M HaLow WiFi Configuration Options</p>
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M18MF-16-FAKRA

Magnetic Mount

Includes
 3 x 16ft Coax Cables
 Magnetic Mount



M18MF-16-2CG

M18MF-16-2WG

M18MF-16-CWG



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M18M 3-Lead Omni MIMO Antenna Configuration Options – Magnetic Mount (3 x 1ft Coax Cables)

<p>Configuration Options (NF)</p>	<p>M18M-1-2CG: MIMO 2 x Cellular 4G 5G / GPS GNSS Antenna w/ 3 x 1ft Coax Cables – 2 x NF / SMA M18M-1-2WG: MIMO 2 x WiFi 6 / GPS GNSS Antenna w/ 3 x 1ft Coax Cables – 2 x NF / SMA M18M-1-CWG: Cellular 4G 5G / WiFi 6 / GPS GNSS Antenna w/ 3 x 1ft Coax Cables – 2 x NF / SMA * Contact Us For M18M HaLow WiFi Configuration Options</p>
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Includes
 3 x 1ft Coax Cables
 Magnetic Mount
 (Extension Cables Sold Separately)



Magnetic Mount

