AG39 2-Lead Cellular / WiFi Omni MIMO Series M2M IoT Antenna Specifications
Multi-Network Omni Directional MIMO 2 x Cellular 4G LTE 5G NR / WiFi 6
Private Networks: Anterix / CBRS / LoRaWAN / WiFi HaLow
Includes Mounting Hardware / Extension Coax Cables Available

Frequency Range: *4G LTE 5G NR Anterix / LoRaWAN / WiFi HaLow / CBRS WiFi 6*	617-960MHz / 1710-6000MHz 896~940MHz / 902~928Mhz / 3550-3700MHz 2.4GHz / 5GHz
Avg Peak Gain Isotropic: *4G LTE 5G NR Anterix LoRaWAN WiFi HaLow CBRS WiFi 6*	(7dBi) 617-960MHz / (9dBi) 1710-3800MHz / (9dBi) 4900-6000MHz (7dBi) 896~940MHz / (7dBi) 902~928Mhz / (9dBi) 3550-3700MHz (9dBi) 2.4GHz / (9dBi) 5GHz
Typical Efficiency – *Elements*	617-960MHz >50% 1710-3800MHz >50% 4900-6000MHz >55%
Isolation:- *Elements*	>10dB
Correlation Co-efficient – *Elements*	<0.2
Horizontal Half Power Beamwidth	360° / 360°
Vertical Half Power Beamwidth	40° / 25°
VSWR	≤2.0 / ≤2.0
Nominal Impedance	50Ω
Polarization	MIMO 2 x Vertical Omni Directional
Max. Power	50W

Mechanical / Environmental Specifications

Application	Outside
Radome	High Impact Polycarbonate Height: 35" / 890mm - Diameter: 3" / 78mm
Connector Types	2 x N Female
Coax Cables	Sold Separately *Extension Coax Cable Options Available (Sold Separately)* *All Standard Connector Ends Available (Including SMA QMA TNC FAKRA N Connector Ends)*
Mounting Hardware *(Stainless Steel)*	Includes Mounting Hardware *Bracket Mount + 2 x U-Bolt Sets*
Mounting Mast Diameter	2"~3.5" / 50mm~90mm
Ingress Protection	IP69K
Wind Velocity	140 MPH
Operating Temp (°F)	-40° / +158° (°F)
Weight	3.75lb / 1.7kg

AG39 Series Enterprise Grade Omni MIMO Cellular / WiFi Antenna Include Mounting Bracket Hardware / 2 x 1ft Coax Cables – N Female
"Built To Spec" Custom Extension Cable Options are Available. Contact us for details.

Multi-Network Cellular / WiFi Applications - 2 x NF	
Cellular + WiFi	Cellular 4G LTE 5G NR + WiFi Band 1-6
MIMO Cellular	MIMO 2 x Cellular 4G LTE 5G NR
MIMO WiFi	MIMO 2 x WiFi Band 1-6

Supported Cellular Service Provider Networks	
Verizon *Including MVNO's*	Verizon 4G LTE 5G NR Bands 4G LTE: *B2 B4 B5 B13 B46 B48 B66* 5G NR: *N2 N5 N13 N66 N77 N79 (C-Band)*
T-Mobile *Including MVNO's*	Mobile 4G LTE 5G NR Bands 4G LTE: *B2 B4 B5 B12 B41 B66 B71* 5G NR: N2 *N25 N41 N71 N79 (C-Band)*
AT&T *Including MVNO's*	AT&T 4G LTE 5G NR Bands 4G LTE: *B2 B4 B5 B12 B14 B17 B29 B30 B48 B66* 5G NR: *N2 N5 N66 N77 N79 (C-Band)*
Supported Private Networks	
Anterix	Anterix 4G LTE 5G Bands *(AG60 Enterprise Series Antennas are Anterix 4G 5G Ready)* 900MHz Band *(896-901MHz / 935-940MHz)* *B8 B106*
CBRS	CBRS 4G LTE 5G Bands *(AG60 Enterprise Series Antennas are CBRS 4G 5G Ready)* 3.5GHz Band *(3550-3700MHz)* *B48*
WiFi HaLow	WiFi HaLow Bands *(AG60 Enterprise Series Antennas are WiFi HaLow Ready)* 900MHz Band *(902-928MHz)* *IEEE 802.11ah*
LoRaWAN	LoRaWAN 4G LTE 5G Bands *(AG60 Enterprise Series Antennas are LoRaWAN Ready)* 915MHz Band *(902-928MHz)* *US915*
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 AG45 Series HaLow WiFi Configuration Options*

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AG39 Cellular Omni MIMO Series Antenna – 2 x N Female
Dimensions / Mounting Bracket

78mm
3"

SKU: AG39-2NF

890mm
35"

2 x N Female
Connectors

Stainless Steel Mounting Bracket

Includes
Mounting Bracket
2 x U-Bolt Sets
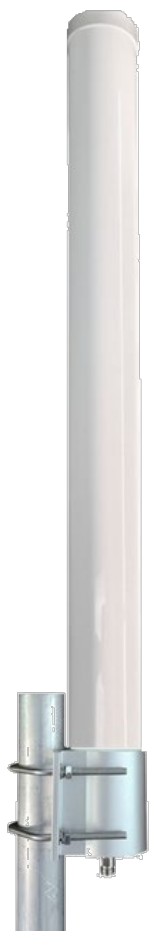
Mounting Pole
Not Included

2 x N Female
Connectors

AG39 Series Enterprise Grade Omni MIMO Cellular / WiFi Antenna Include Mounting Bracket Hardware / 2 x 1ft Coax Cables – N Female
"Built To Spec" Custom Extension Cable Options are Available. Contact us for details.

AGA Ultra Low-Loss Extension Coax Cables
(Sold Separately)

Finished AGA195 | AGA240 | AGA400 Extension Coax Cables (Lengths: 15ft - 100ft) - N Male
AG79 Extension Cable Options (N Male): SMA Male | RP SMA Male | QMA Male | RP TNC Male | TNC Male

N Male

SMA Male

RP SMA Male

QMA Male

RP TNC Male

TNC Male

AG39 Series Enterprise Grade Omni MIMO Cellular / WiFi Antenna Include Mounting Bracket Hardware / 2 x 1ft Coax Cables – N Female
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AGA Ultra Low-Loss Extension Coax Cables / 1ft AGA200 Adapter Cables
(Sold Separately)

Finished AGA195 | AGA240 | AGA400 Extension Coax Cables (Lengths: 15ft - 100ft) – N Male / N Male
N Female 1ft Adapter Cable Options: SMA Male | RP SMA Male | TNC Male | QMA Male | FAKRA-D | FAKRA I

N Male — N Male

SKU: AGA200-1-NF-SM
1ft AGA200 Adapter Cable
N Female / SMA Male

SKU: AGA200-1-NF-RPSM
1ft AGA200 Adapter Cable
N Female / RP SMA Male

N Female 1ft AGA200 Adapter Cables
SMA Male | RP SMA Male | TNC Male | QMA Male
FAKRA-D | FAKRA I

SKU: AGA200-1-NF-TM
1ft AGA200 Adapter Cable
N Female / TNC Male

SKU: AGA200-1-NF-QM
1ft AGA200 Adapter Cable
N Female / QMA Male

SKU: AGA200-1-NF-FAKRA-D
1ft AGA200 Adapter Cable
N Female / FAKRA-D

SKU: AGA200-1-NF-FAKRA-I
1ft AGA200 Adapter Cable
N Female / FAKRA-I

AG39 Series Enterprise Grade Omni MIMO Cellular / WiFi Antenna Include Mounting Bracket Hardware / 2 x 1ft Coax Cables – N Female
"Built To Spec" Custom Extension Cable Options are Available. Contact us for details.

System Lightning Surge Protection Kits / Ground Kits / J-Pipe Mount
(Sold Separately)

Surge Protector - NF
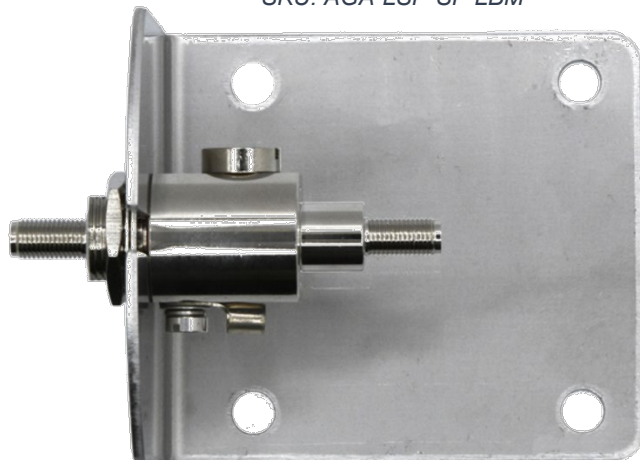#### *SKU: AGA-LSP-AXP-NF*

N Female

N Female

Surge Protector - SF
SKU: AGA-LSP-AXP-SF

SMA Female

SMA Female

Surge Protector w/ L-Bracket Mount Kit
SKU: AGA-LSP-NF-LBM
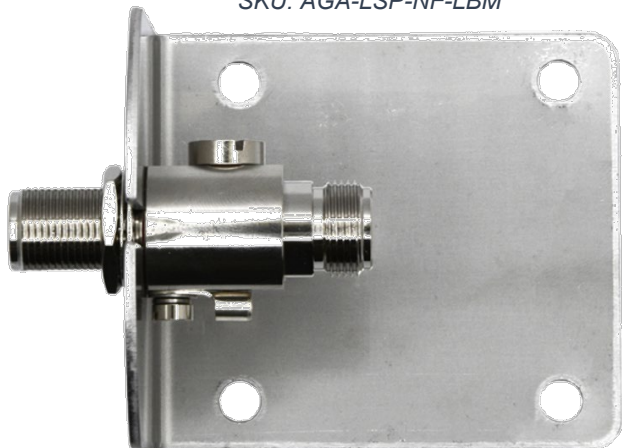
Surge Protector w/ L-Bracket Mount Kit
SKU: AGA-LSP-SF-LBM

Ground Kit
SKU: AGA-GND-KIT-20

Adjustable J-Pipe Mount
SKU: AGA-JPIPE-M

AG39 Series Enterprise Grade Omni MIMO Cellular / WiFi Antenna Include Mounting Bracket Hardware / 2 x 1ft Coax Cables – N Female
"Built To Spec" Custom Extension Cable Options are Available. Contact us for details.