



35cm size w/ 60GHz + 5GHz



19cm size w/ 60GHz + 5GHz

## MetroLinq™ 2.5G 60

### Cloud-Enabled Outdoor 60GHz PTP + 5GHz

IgniteNet's™ MetroLinq™ 2.5G 60 is a cost-effective high capacity 60GHz PTP radio enabling high performance, interference-free connections worldwide. The MetroLinq™ 2.5G 60 has an added advantage of being license-free in most markets globally, allowing ultra fast deployment and without the hassle of other frequency bands requiring a license. The MetroLinq™ also includes a second 5GHz radio which can be configured as PtP (backup) to provide integrated redundancy without additional hardware or complexity. The IP55 standards rated enclosure, allows MetroLinq™ 2.5G 60 to withstand harsh environments and bring fast wireless connections to hard-to-reach locations.

#### Interference-Free & Unlicensed Band

The IgniteNet™ MetroLinq™ 2.5G 60 offers unprecedented performance - combining both the benefits of unlicensed band operation with no interference!

#### Dual Band 60GHz & 5GHz Operation

The MetroLinq™ 2.5G 60 includes a second 5GHz radio which can be configured as a backup to the 60GHz to provide automatic failover during adverse conditions. This allows links to be extended further without effecting link availability

#### Powerful, Flexible Configuration

The MetroLinq™ 2.5G 60 can operate either as a stand-alone device or as a coordinated, cloud-managed device, easily meeting the requirements of any installation.

#### Robust Weather-Resistant Design

The MetroLinq™ 2.5G 60 features a hybrid metal/plastic design built to withstand the harshest environments including precipitation, hot/cold weather and high/low humidities.

## Product Variants

- > 35cm size/ 60GHz + 5GHz
- > 19cm size/ 60GHz + 5GHz

## Features

### HARDWARE FEATURES

- > 1x 2.5 Gigabit Ethernet Port (PoE IN 24-48v)
- > 1x SFP Port
- > 1x Screw Terminal Block (DC Power IN 24-48v)
- > 1x USB 3.0 Port
- > Dual flash image support
- > IP55 standards rated enclosure

### LEDs

- > Power, Ethernet, Wireless, Health/Status

### DIMENSIONS (L x W x H )

- > 350 x 350 x 200 mm/ 13.78 x 13.78 x 7.87 in (ML2.5-60-35)
- > 190 x 190 x 120 mm/ 7.48 x 7.48 x 4.72 in (ML2.5-60-19)

### WEIGHT

- > 2.8 kg/ 6.17 lb without mount (ML2.5-60-35)
- > 1.25 kg/ 2.76 lb without mount (ML2.5-60-19)

### POWER

- > 24-48V/1.5A passive Gigabit PoE or DC
- > 24W max power consumption

### OPERATING ENVIRONMENT

- > Operating Temperature: -30 to 55 C°/ -22 to 131 F°
- > Store Temperature: -40 to 70 C°/ -40 to 158 F°
- > Operating Humidity: 10 to 90% non-condensing (RH)

### REGULATORY / STANDARDS COMPLIANCE

- > FCC/IC
- > CE

### RF PERFORMANCE (TX)

- > 60GHz: 14dBm @ MCS9
- > 5GHz: 27dBm @ MCS0; 23dBm @ MCS15

### RF PERFORMANCE (RX)

- > 60GHz: -74dBm @MCS1; -60dBm @ MCS9
- > 5GHz: -94dBm @MCS0; -72dBm @ MCS15

### KEY FEATURES

- > Support channel 4.5
- > 2.5 Gbps Aggregate throughput; dynamically allocated (60GHz)
- > Management VLAN support and VLAN pass-through
- > Supports Service Provider and Enterprise type networks
- > Stand-alone or Cloud-controlled operating modes
- > Link failover/backup (60GHz + 5GHz) Per Client
- > 128bit AES Encryption (standard; 5GHz, and 60GHz)
- > SNMP Monitoring with Private MIB

### APPLICATIONS

- > Fixed Wireless Access (broadband)
- > 3G/4G Backhaul
- > Metro Wi-Fi
- > Campus Interconnection
- > Hybrid Fiber/Wireless Networks

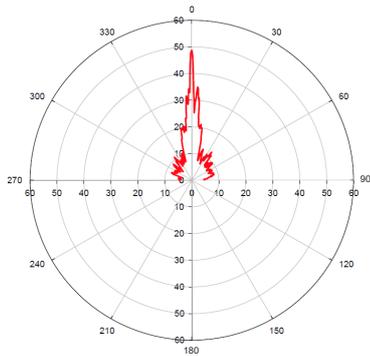
## Ordering Information

Part Number	Description
ML2.5-60-35-XX	60GHz Outdoor + 5GHz w/ Int 42dBi (60GHz) & 22dBi (5GHz) antenna, 2500Mbps + SFP
ML2.5-60-19-XX	60GHz Outdoor + 5GHz w/ Int 36dBi (60GHz) & 16dBi (5GHz) antenna, 2500Mbps + SFP

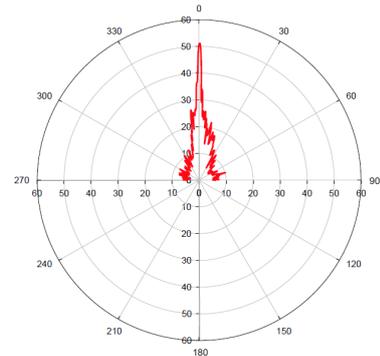
**\*\*XX is used to denote localization (US, EU, AU, CN)**

# Antenna Pattern

## Channel 1

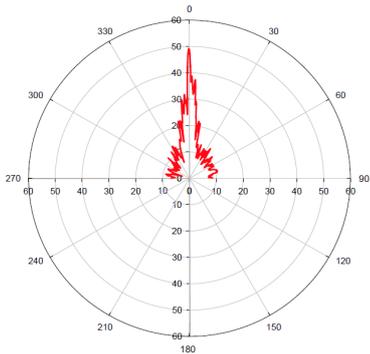


XZ Plane Polar Plot

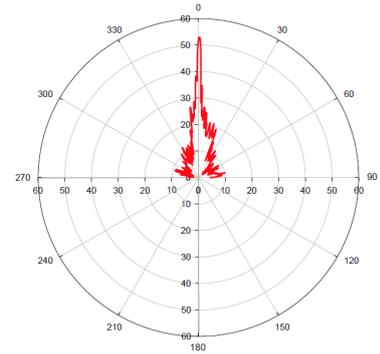


YZ Plane Polar Plot

## Channel 2

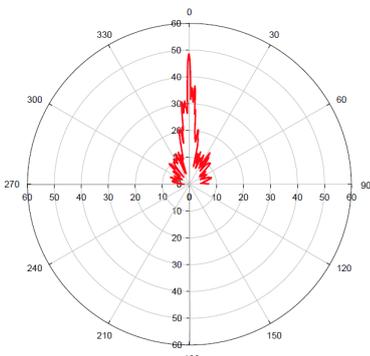


XZ Plane Polar Plot

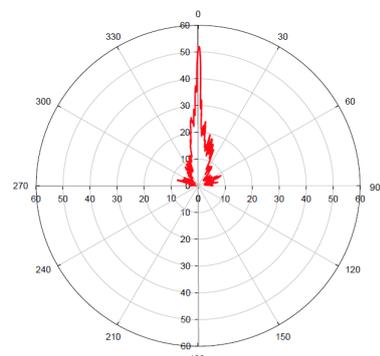


YZ Plane Polar Plot

## Channel 3

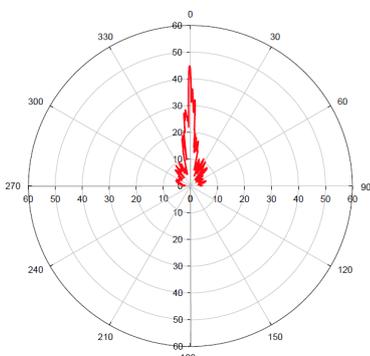


XZ Plane Polar Plot

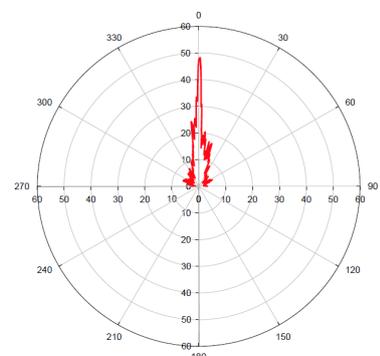


YZ Plane Polar Plot

## Channel 4



XZ Plane Polar Plot



YZ Plane Polar Plot