# MetroLinq™ 10G Tri-Band Omni

## Cloud-Enabled Outdoor
## 60 + 5 + 2.4 GHz base-station

IgniteNet™'s MetroLinq™ 10G Tri-band Omni is the world's first cost-effective 60GHz + 5GHz + 2.4GHz PTMP base station enabling high performance, interference-free connections worldwide up to 10Gbps. With a total OTA capacity of 16.393Gbps, the MetroLinq™ 10G is the first AP capable of providing fiber-like connections to many clients simultaneously. It also has an added advantage of being license-free in most markets, allowing ultra-fast deployment and without the hassle of other frequency bands. The MetroLinq™ 10G also includes both 2.4 & 5GHz 802.11ac Wave 2 radios which can be used to provide access in harder to reach nLOS applications ranging from hotspots to fixed broadband and many more.

### Inteference-Free & Unlicensed Band

The IgniteNet™ MetroLinq™ 10G offers unprecedented performance - combining both the benefits of unlicensed band operation with no interference!

### Tri Band 60GHz + 5GHz + 2.4 GHz Operation

The MetroLinq™ 10G includes both additional 2.4 & 5GHz radios which can be to provide both supplemental connectivity to hard to reach places as well as carrier offload, hotspot, and mobile roaming capabilities.

### Powerful, Flexible Configuration

The MetroLinq™ 10G 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™ 10G features a hybrid metal/plastic design built to withstand the harshest environments including precipitation, hot/cold weather and high/low humidities.

## Client Options (Sold Separately)

**MetroLinq 60-35/ 2.5G 60-35**
60GHz + 5GHz
up to 700m (0.43 mi)

**MetroLinq 60-19/ 2.5G 60-19**
60GHz + 5GHz
up to 400m (0.25 mi)

**MetroLinq LW**
60GHz + 5GHz + 2.4GHz
up to 150m (0.1 mi)

**MetroLinq 5**
5GHz
up to 2000m (1.24 mi)

## Features

### HARDWARE FEATURES
› 1x 1Gbps Base-T Ethernet Port (PoE IN)
› 1x SFP+ (10Gbps) Port
› 1x Screw Terminal Block (Power IN)
› Dual flash image support

### ANTENNAS
› 3 x 17dBi (60GHz) 120º
› 4 x 12dBi (5GHz) 90º
› 4 x 9dBi (2.4GHz) 90º

### LEDs
› Power, 60GHz, 5GHz, 2.4GHz, SFP

### DIMENSIONS (L X W X H )
› 217.4 x 179.5 x 455.3mm
  (8.6 x 7.1 x 17.9in)

### WEIGHT
› 4,060 g (8.95 lb)

### POWER
› 48V Passive PoE IN or DC

### REGULATORY / STANDARDS COMPLIANCE
› FCC/IC
› CE

### RANGE
› Up to 150m (0.1mi)
  (Omni to Omni or ML LW, location dependent)
› Up to 400m (0.25mi)
  (19cm to Omni, location dependent)
› Up to 700m (0.43mi)
  (35cm to Omni, location dependent)
› Up to 2000m (1.24mi)
  (Omni to ML 5, location dependent)

### RF PERFORMANCE (TX)
› 60GHz: 14dBm @ 4.62Gbps (x3)
› 5GHz: 31dBm@6Mbps,
  24dBm@1.733Gbps
› 2.4GHz:
  31dBm@6Mbps, 26dBm@0.8Gbps

### RF PERFORMANCE (RX)
› 60GHz: -74dBm @MCS1;
  -60dBm @ MCS9
› 5GHz: -90dBm @MCS0;
  -60dBm @ MCS9
› 2.4GHz: -90dBm @MCS0;
  -64dBm @ MCS9

### OPERATING ENVIRONMENT
› Operating Temperature:
  -30Cº to 50Cº (-22 to 122F)
› Store Temperature:
  -40Cº to 70Cº (-40 to 158F)
› Operating Humidity:
  10 to 90% non-condensing (RH)

### KEY FEATURES
› Management VLAN support and VLAN pass-through
› Supports Service Provider and Enterprise type networks
› Stand-alone or Cloud-controlled operating modes
› Base Station mode and up to 96 endpoints (24 endpoints at launch - 60GHz)
› Link failover/backup (60GHz + 5GHz) Per Client
› 128bit AES Encryption (standard; 2.4GHz, 5GHz, and 60GHz)
› SNMP Monitoring with Private MIB

### APPLICATIONS
› Fixed Wireless Access (broadband)
› 3G/4G Backhaul
› Metro WiFi
› Campus Interconnection
› Hybrid Fiber/Wireless Networks

## Ordering Information

| Part Number | Description |
| --- | --- |
| ML-60-10G-360-XX | Cloud-Enabled Outdoor 60GHz PTMP + 5GHz + 2.4GHz |

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

# IgniteNet
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