



## 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.

### Interference-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 used 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) 120°
- › 4 x 15dBi (5GHz) 90°
- › 4 x 9dBi (2.4GHz) 90°

### 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

- › 48VDC Passive PoE IN

### 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:  
27dBm@6Mbps, 23dBm@1.733Gbps
- › 2.4GHz:  
27dBm@6Mbps, 23dBm@.8Gbps

### RF PERFORMANCE (RX)

- › 60GHz: -74dBm @MCS1;  
-60dBm @ MCS9
- › 5GHz: -94dBm @MCS0;  
-72dBm @ MCS15
- › 2.4GHz: -94dBm @MCS0;  
-72dBm @ MCS15

### OPERATING ENVIRONMENT

- › Operating Temperature:  
-30C° to 55C° (-22 to 131F)
- › Store Temperature:  
-40C° to 70C° (-40 to 158F)

- › Operating Humidity:  
10 to 90% non-condensing (RH)

### KEY FEATURES

- › 7.5Gbps Aggregate throughput; dynamically allocated (60GHz)
- › 2Gbps Aggregate throughput; dynamically allocated (5+2.4GHz)
- › 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 (45 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)

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