



MetroLinq™ 10G Tri-Band Omni

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

MetroLinq™ 10G Tri-band Omni is a 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, 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. 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. The innovative IP55 standards rated enclosure, allows MetroLinq™ 10G 60 to withstand harsh environments and bring fast wireless connections to hard-to-reach locations.

Interference-Free & Unlicensed Band

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

Tri Band 60GHz + 5GHz + 2.4 GHz Operation

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

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

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

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
- › IP55 standards rated enclosure

ANTENNAS

- › 3 x 17dBi (60GHz) 120°
- › 4 x 12dBi (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 455.3 mm/ 8.6 x 7.1 x 17.9 in

WEIGHT

- › 4,060 g (8.95 lb)

POWER

- › 48V Passive PoE IN or DC

REGULATORY / STANDARDS COMPLIANCE

- › FCC/IC
- › CE

RANGE

- › Up to 150m (0.09 mi) (Omni to LW, location dependent)
- › Up to 400m (0.25 mi) (19cm to Omni, location dependent)
- › Up to 700m (0.43 mi) (35cm to Omni, location dependent)

RF PERFORMANCE (TX)

- › 60GHz: 14dBm @ MCS9 (x3)
- › 5GHz: 30dBm @ MCS0; 24dBm @ MCS9
- › 2.4GHz: 30dBm @ MCS0; 26dBm @ MCS9

RF PERFORMANCE (RX)

- › 60GHz: -74dBm @ MCS1; -60dBm @ MCS9
- › 5GHz: -90dBm @ MCS0; -60dBm @ MCS9
- › 2.4GHz: -90dBm @ MCS0; -64dBm @ MCS9

OPERATING ENVIRONMENT

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

KEY FEATURES

- › Support channel 4.5
- › 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 24 endpoints
- › Link failover/backup (60GHz + 5GHz) Per Client
- › 128bit AES Encryption (standard; 2.4GHz, 5GHz, and 60GHz)
- › SNMP Monitoring with Private MIB

SUPPORTED TRANSCEIVERS

- › Edgecore 10G SFP+ Transceiver: ET5402-RJ45
ET5402-LR
ET5402-SR

APPLICATIONS

- › Fixed Wireless Access (broadband)
- › 3G/4G Backhaul
- › Metro Wi-Fi
- › 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)

Client Options (Sold Separately)



MetroLinq 1-60-35/ 2.5G 60-35
60GHz + 5GHz
up to 700m (0.43 mi)



MetroLinq 1-60-19/ 2.5G 60-19
60GHz + 5GHz
up to 400m (0.25 mi)



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