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 16.4Gbps, 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 250m (0.16 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 250m (0.16mi)
  (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 @ 1.3Gbps
› 2.4GHz:
  27dBm @ 6Mbps, 23dBm @ .7Gbps

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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