



MetroLinq™ 60 LW

Cloud-Enabled Outdoor 60 + 5 + 2.4GHz PTP/PTMP

IgniteNet's MetroLinq 60 LW changes the economics of low-cost 60GHz PTP and PTMP connections. With a 60GHz range of up to 150m (0.1mi) as well as built-in 5GHz failover, it can provide reliable high throughput in the harshest conditions. It also has the advantage of being license-free in most markets, allowing ultra-fast deployment and without the hassle of other frequency bands. The MetroLinq 60 LW also includes a third 2.4 GHz radio which can be configured a multi-tenant AP for applications ranging from hotspots to maintenance and many more. The LW is available in 2 different variants - one in which the 5GHz radio is connected to a directional antenna for backup purposes and another where it is connected to a omni for access purposes.

Inteference-Free & Unlicensed Band

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

Tri Band 60GHz + 5GHz + 2.4 GHz Operation

The MetroLinq™ 60 LW includes a second 5GHz radio which can be configured as a backup to the 60GHz as well as a 2.4GHz WiFi AP to be used for a variety of applications like maintenance, hotspot, and other uses.

Powerful, Flexible Configuration

The MetroLinq™ 60 LW can operate either as a stand-alone device or as a coordinated, cloudmanaged device, easily meeEng the requirements of any installation.

Robust Weather-Resistant Design

The MetroLinq™ 60 LW 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 Gigabit Ethernet Port (PoE IN)
- › 1x SFP Port
- › 1x Screw Terminal Block (Power IN)
- › 1x USB 2.0 Port
- › Dual flash image support

LEDs

- › Power, Ethernet, SFP, 2.4/5 GHz, 60 GHz

DIMENSIONS (L X W X H)

- › 202.7 x 239.8 x 48 mm (7.98 x 9.44 x 1.89 inch)

WEIGHT

- › 650 g (1.43 lb)

POWER

- › 24-48V/1A passive Gigabit PoE

OPERATING ENVIRONMENT

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

REGULATORY / STANDARDS COMPLIANCE

- › FCC/IC
- › CE

RANGE

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

RF PERFORMANCE (TX)

- › 60GHz: 14dBm @ 1+ Gbps
- › 5GHz: 26dBm @ 6Mbps, 21dBm @ 866Mbps
- › 2.4GHz: 24dBm @ 6Mbps, 21dBm @ 400Mbps

RF PERFORMANCE (RX)

- › 60GHz: -74dBm @MCS1; -60dBm @ MCS9
- › 5GHz: -92dBm @MCS0; -70dBm @ MCS15
- › 2.4GHz: -90dBm @MCS0; -70dBm @ MCS15

KEY FEATURES

- › 1+Gbps Aggregate throughput; dynamically allocated (60GHz)
- › Advanced 60GHz beam forming for easy alignment
- › 600Mbps Aggregate throughput; dynamically allocated (5GHz)
- › 300Mbps Aggregate throughput; dynamically allocated (2GHz)
- › 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 8 endpoints (32 endpoints at future FW releases)
- › Link failover/backup (60GHz + 5GHz)
- › 128bit AES Encryption (standard: 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-LW-XX	Cloud-Enabled Outdoor 60GHz + 5GHz + 2.4GHz PTP/PTMP
ML-60-LW-DO-XX	Cloud-Enabled Outdoor 60GHz + 5GHz + 2.4GHz PTP/PTMP (Dualband omni configuration)

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



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