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. 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. MetroLinq™ 60 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

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

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

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

Robust Weather-Resistant Design

MetroLinq™ 60 LW features a hybrid metal/ plastic design and IP55 rated enclosure 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
› IP55 standards rated enclosure

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 in)

WEIGHT
› 650 g (1.43 lb)

POWER
› 24-48V/1A passive Gigabit PoE

ANTENNA
› 5GHz
  • Elevation beamwidth : 28°
  • Azimuth beamwidth : 30°
  • Gain: 15 dBi

› 2.4GHz
  • 360° Omni Antenna
  • Gain: 7 dBi

OPERATING ENVIRONMENT
› Operating Temperature: -30 to 55℃ (-22 to 131℉)
› Store Temperature: -40 to 70℃ (-40 to 158℉)
› 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 (0.43mi) LW to 35cm, location dependent

RF PERFORMANCE (TX)
› 60GHz: 14dBm @ MCS9
› 5GHz: 26dBm @ MCS0; 21dBm @ MCS15
› 2.4GHz: 24dBm @ MCS0; 21dBm @ MCS15

RF PERFORMANCE (RX)
› 60GHz: -74dBm @ MCS1; -60dBm @ MCS9
› 5GHz: -92dBm @ MCS0; -70dBm @ MCS15
› 2.4GHz: -90dBm @ MCS0; -70dBm @ MCS15

KEY FEATURES
› Support channel 4.5
› 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 (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 8 endpoints
› 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 Wi-Fi
› 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)

IgniteNet
www.ignitenet.com

Worldwide
20 Mason
Irvine, CA 92618
USA
sales@ignitenet.com

Asia
No. 1 Creation Road III,
Hsinchu Science Park,
30077, Taiwan, R.O.C.
sales@ignitenet.com