



19cm size w/ 60GHz + 5GHz+2.4GHz

35cm size w/ 60GHz + 5GHz+2.4GHz

MetroLinq™ One 60

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

IgniteNet™'s MetroLinq™ One 60 is a cost-effective high capacity 60GHz PTP radio enabling high performance, interference-free connections worldwide. The MetroLinq™ One 60 has an added advantage of being license-free in most markets globally, allowing ultra fast deployment and without the hassle of other frequency bands requiring a license. The MetroLinq™ One 60 also includes a second 5GHz radio which can be configured as PTP (backup) to provide integrated redundancy without any additional hardware or complexity and additional 2.4GHz radio for management and configuration*. The IP55 standards rated enclosure, allows MetroLinq™ One 60 to withstand harsh environments and bring fast wireless connections to hard-to-reach locations.

Interference-Free & Unlicensed Band

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

Tri Band 60GHz & 5GHz & 2.4GHz Operation

The MetroLinq™ One 60 includes a second 5GHz radio which can be configured as a backup to the 60GHz to provide automatic failover during adverse conditions. This allows links to be extended further without effecting link availability and 2.4GHz radio for management and configuration*.

Powerful, Flexible Configuration

The MetroLinq™ One 60 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™ One 60 features a hybrid metal/plastic design built to withstand the harshest environments including precipitation, hot/cold weather and high/low humidities.

*For 2.4GHz radio, an external antenna with x2 RP-SMA male connectors is required. (Radio has x2 RP-SMA female connectors).

PRODUCT VARIANTS

- › 35cm size w/ 60GHz + 5GHz + 2.4GHz
- › 19cm size w/ 60GHz + 5GHz + 2.4GHz

FEATURES

HARDWARE FEATURES

- › 2x RPSMA connectors for external 2.4GHz antenna
- › 1x Gigabit Ethernet Port (PoE IN)
- › 1x SFP port
- › 1x Screw Terminal (Power IN/OUT)
- › 1x USB 2.0 Port
- › Dual flash image support
- › IP55 standards rated enclosure

LEDs

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

DIMENSIONS (L x W x H)

- › 350 x 350 x 200 mm/ 13.78 x 13.78 x 7.87 in (ML1-60-35)
- › 190 x 190 x 120 mm/ 7.48 x 7.48 x 4.72 in (ML1-60-19)

WEIGHT

- › 2.8 kg/ 6.17 lb without mount (ML1-60-35)
- › 1.25 kg/ 2.76 lb without mount (ML1-60-19)

POWER

- › 24-48V/1A passive Gigabit PoE
- › 17.5W max power consumption

OPERATING ENVIRONMENT

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

REGULATORY / STANDARDS COMPLIANCE

- › FCC/IC
- › CE

RF PERFORMANCE (TX)

- › 60GHz: 14dBm @ MCS9 OTA (1Gbps aggregate)
- › 5GHz: 26dBm @ MCS0 OTA; 21dBm @ MCS15
- › 2.4GHz: 24dBm @MCS0 OTA; 21dBm @ MCS15

RF PERFORMANCE (RX)

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

KEY FEATURES

- › Support channel 4.5
- › 1+ Gbps Aggregate throughput dynamically allocated (60GHz)
- › 600Mbps Aggregate throughput dynamically allocated (5GHz)
- › 300Mbps Aggregate throughput dynamically allocated (2.4GHz)
- › Jumbo packet support (up to 7900bytes)
- › Management VLAN support and VLAN pass-through
- › Supports Service Provider and Enterprise type networks
- › Stand-alone or Cloud-controlled operating modes
- › Link failover/backup (60GHz + 5GHz) Per Client
- › 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
ML1-60-35-XX	60GHz Outdoor + 5GHz w/ Int 42dBi (60GHz) & 22dBi (5GHz) antenna, 1Gbps + SFP
ML1-60-19-XX	60GHz Outdoor + 5GHz w/ Int 36dBi (60GHz) & 16dBi (5GHz) antenna, 1Gbps + SFP

****XX IS USED TO DENOTE LOCALIZATION (US, EU, AU, CN)**



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