



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

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

MetroLinq™ One 60

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

IgniteNet's™ MetroLinq™ One 60 is the world's first 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 an additional hardware or complexity and additional 2.4GHz radio for remote access and configuration or local Wi-Fi coverage.

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 local access and Wi-Fi connectivity

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.

Product Variants

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

LEDs

- › Power, Ethernet, SFP, 2.5/5GHz, 60GHz

DIMENSIONS (L x W x H)

- › 350 x 350 x 200 mm/ 13.78 x 13.78 x 7.87 inch (ML1-60-35)
- › 190 x 190 x 120 mm/ 7.48 x 7.48 x 4.72 inch (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: -30 to 55 C°/ -22 to 131 F
- › Operating Humidity: 10 to 90% non-condensing (RH)

REGULATORY / STANDARDS COMPLIANCE

- › FCC/IC
- › CE

RF PERFORMANCE (TX)

- › 60GHz: 14dBm @ 4.6Gbps OTA (1 Gbps aggregate)
- › 5GHz: 26dBm @ 6Mbps, 21dBm @ 866 Mbps
- › 2.4GHz: 24dBm @ 6Mbps, 21dBm @ 400 Mbps

RF PERFORMANCE (RX)

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

KEY FEATURES

- › 1+ Gbps Aggregate throughput dynamically allocated (60GHz)
- › 600 Mbps Aggregate throughput dynamically allocated (5GHz)
- › 300 Mbps 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 WiFi
- › Campus Interconnection
- › Hybrid Fiber/Wireless Networks

Ordering Information

Part Number	Description
ML1-60-35-XX	60GHz Outdoor + 5GHz + 2.4GHz w/ Int 42dBi (60GHz) & 22dBi (5GHz) antenna and RPSMA connectors (2.4GHz)
ML1-60-19-XX	60GHz Outdoor + 5GHz +2.4GHz w/ Int 36dBi (60GHz) & 16dBi (5GHz) antenna and RPSMA connectors (2.4GHz)