35cm size w/ 60GHz + 5GHz

19cm size w/ 60GHz + 5GHz

MetroLinq™ 60

Cloud-Enabled Outdoor 60GHz PTP + 5GHz

IgniteNet™'s MetroLinq™ 60 is the world's first cost-effective 60GHz PTP/PTMP radio enabling high performance, interference-free connections worldwide. The MetroLinq™ 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™ 60 also includes a second 5GHz radio which can be configured as PTP (backup) to provide integrated redundancy without any additional hardware or complexity!

Inteference-Free & Unlicensed Band
The IgniteNet™ MetroLinq™ 60 offers unprecedented performance - combining both the benefits of unlicensed band operation with no interference!

Dual Band 60GHz & 5GHz Operation
The MetroLinq™ 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.

Powerful, Flexible Configuration
The MetroLinq™ 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™ 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 w/ 60GHz + 5GHz
› 19cm size w/ 60GHz + 5GHz

FEATURES

HARDWARE FEATURES
› 2x Gigabit Ethernet Port (PoE IN)
› 1x Power tap (Power OUT)
› 1x USB 2.0 Port (optional)
› Dual flash image support

LEDs
› Power, Ethernet, Wireless, Health/Status, Aiming

DIMENSIONS (L x W x H)
› 350 x 350 x 200 mm/ 13.78 x 13.78 x 7.87 inch (ML-60-35)
› 190 x 190 x 120 mm/ 7.48 x 7.48 x 4.72 inch (ML-60-19)

WEIGHT
› 3.5 kg/ 7.72 lb with mount (ML-60-35)
› 2 kg/ 4.41 lb with mount (ML-60-19)

POWER
› 24V/1A passive Gigabit PoE
› 15W max power consumption

OPERATING ENVIRONMENT
› Operating Temperature: -30 to +55 Cᵒ/ -22 to 131 F
› Store Temperature: -30Cᵒ to 55Cᵒ
› Operating Humidity: 10 to 90% non-condensing (RH)

REGULATORY / STANDARDS COMPLIANCE
› FCC/IC
› CE

RANGE
› Up to 1.5 km/ 0.93 mi (ML-60-35, location dependent)
› up to 0.9 km/ 0.58 mi (ML-60-19, location dependent)

RF PERFORMANCE (TX)
› 60GHz: 14dBm @ 2.5Gbps OTA
  (1Gbps aggregate throughput)
› 5GHz: 24dBm @ 866Mbps OTA
  (500Mbps aggregate throughput)

RF PERFORMANCE (RX)
› 60GHz: -74dBm @ MCS1; -65 @ MCS5; -60dBm @ MCS9
› 5GHz: -94dBm @ MCS0; -64dBm @ MCS15

CHANNEL BANDWIDTH
› 60GHz: 2GHz
› 5GHz: 80MHz, 40MHz, 20MHz

KEY FEATURES
› 1Gbps Aggregate throughput;
  dynamically allocated (60GHz)
› 500Mbps Aggregate throughput;
  dynamically allocated (5GHz)
› 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
› PTP/Client modes with Flexible Bridging (60GHz)
› Link failover/backup (60GHz + 5GHz PTP Mode)
› 128bit AES Encryption (standard; 5GHz and 60GHz)

APPLICATIONS
› Fixed Wireless Access (broadband)
› 3G/4G Backhaul
› Metro WiFi
› Campus Interconnection
› Hybrid Fiber/Wireless Networks

ORDERING INFORMATION

Part Number	Description
ML-60-35-XX	60GHz Outdoor PTP + 5GHz w/ Integrated 42dBi (60GHz) and 22dBi (5GHz) antenna
ML-60-35-1-XX	60GHz Outdoor PTP + 5GHz w/ Integrated 42dBi (60GHz) and RPSMA Connectors (5GHz)
ML-60-19-XX	60GHz Outdoor PTP + 5GHz w/ Integrated 36dBi (60GHz) and 16dBi (5GHz) antenna
ML-60-19-1-XX	60GHz Outdoor PTP + 5GHz w/ Integrated 36dBi (60GHz) and RPSMA Connectors (5GHz)

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