IgniteNet™

MetroLinq™ 60
Cloud-Enabled Outdoor 60GHz PTP + 5GHz

CLOUD | **Clear Air** | **PoE** | **1 Gbps**

Product Overview

IgniteNet™'s MetroLinq™ 60 is the world's first cost-effective 60GHz PTP 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), AP, or Client for applications ranging from hotspots to maintenance to many more!

Key Features and Benefits

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 or as a standards-based 802.11ac AP to be used for a variety of applications like maintenance, hotspot, and other uses.

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.
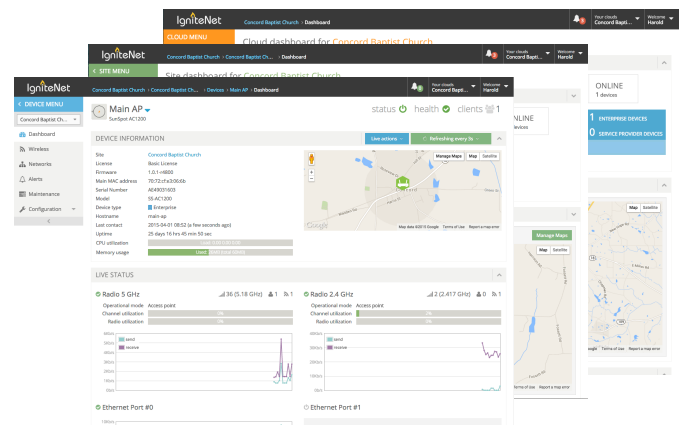
Product Variants

35cm size w/ 60GHz + 5GHz   19cm size w/ 60GHz + 5GHz

Global Cloud Management

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 (ML-60-35)
✓ 190 x 190 x 120 mm (ML-60-19)

WEIGHT

✓ TBD g

POWER

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

OPERATING ENVIRONMENT

✓ Operating Temperature: -40Cº to +70Cº
✓ Store Temperature: -40Cº to 70Cº
✓ Operating Humidity: 10 to 90% non-condensing (RH)

REGULATORY / STANDARDS COMPLIANCE

✓ FCC/IC (pending)
✓ CE (pending)

RANGE

✓ Up to 1.5km (ML-60-35, location dependent)
✓ up to 900m (ML-60-19, location dependent)

RF PERFORMANCE (TX)

✓ 60GHz:
    12dBm @ 2.5Gbps
✓ 5GHz:
    28dBm @ 6Mbps, 24dBm @ 866Mbps

RF PERFORMANCE (RX)

✓ 60GHz:
    TBD
✓ 5GHz:
    TBD

KEY FEATURES

✓ Supports Service Provider and Enterprise type networks
✓ Stand-alone or Cloud-controlled operating modes
✓ PTP/Client modes with Flexible Bridging and Routing (60GHz)
✓ AP/Client/PTP modes with Flexible Bridging and Routing (5GHz)
✓ 802.11a/b/g/n/ac, 2x2, Dual Band Dual Concurrent (5GHz)
✓ Supports up to 8 SSIDs (5GHz)
✓ IEEE802.e Wi-Fi Multimedia (WMM-QoS)
✓ WEP (64/128-bit), WPA,WPA2-PSK,WPA2-AES, PSK and Enterprise
✓ Admission control by client MAC address
✓ Link failover/backup (60GHz + 5GHz PTP Mode)

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 38dBi (60GHz) and RPSMA Connectors (5GHz)

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

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