



Cloud-managed Outdoor or Indoor Gigabit Ethernet to Coax bridge with reverse Power feed



The IgniteNet GLinq is a powerful ethernet over coax converter that enables service providers to deliver gigabit speeds via existing and new coax cabling infrastructure. The GLinq system is ideal for both providing bandwidth to buildings with outdoor coax as well as delivering gigabit speeds within buildings using existing coax cabling infrastructure. Operators can already easily deliver gigabit speeds to customers wirelessly using IgniteNet's 60GHz MetroLinq products - now they can also easily share that delivered capacity throughout the whole building. The unique GLinq + MetroLinq combination provides a clean, simple, fast installation of gigabit connections.

GLinq is available in two different models - an indoor and an outdoor versions.

Both the indoor and the outdoor models have an integrated 2.4GHz radio which can provide Wi-Fi connectivity as well as easy setup and management using the same device.

Up to 15 client converters can be connected to each GLinq master device (software configuration) for sharing gigabit connectivity throughout the building using coaxial splitters.

The GLinq also includes a DC jack and/or DC terminal block which allows each client to provide reverse power through the coax system and can be used to power the remote rooftop converter(s) and backhaul using the same coax system for both data and power. This eliminates the need for a separate power circuit to be run to the rooftop to power the system.

FEATURES

HIGHEST PERFORMANCE PHY DATA RATES

- › Up to 2Gbps PHY rate
- › Supports all G.hn baseband bandplans 25, 50, 100, 200 MHz

RELIABILITY AND ROBUSTNESS

- › LDPC forward error correction provides enhanced FEC over all wire media
- › Automated PHY block level error detection and retransmission

SECURITY

- › 128-bit AES CCMP encryption
- › End to End encryption pair wise keys
- › Strict authentication rules

ENHANCED HARDWARE SUPPORT

- › Enhanced Traffic handling
- › Hardware packet inspection for IPv4 IGMP snooping and IPv6 MLD
- › Hardware based Bandwidth limitation
- › 8 levels of packet prioritized QoS
- › Power Management

AVAILABLE INTERFACES

- › 1000 Base-T Ethernet
- › G. hn 2 Gbps coax PHY with F-type female connector

WI-FI FEATURES

- › Supports Service Provider and Enterprise type networks
- › Stand-alone or Cloud-controlled operating modes
- › Bridged AP WDS mode
- › 802.11b/g/n, 2x2 (2.4GHz)
- › Supports up to 8 SSIDs per radio
- › IEEE 802.11e Wi-Fi Multimedia (WMM-QoS)
- › WPA,WPA2-PSK,WPA2-AES, PSK and Enterprise
- › Admission control by client MAC address

RF PERFORMANCE (TX)

- › 2.4 GHz: 25 dBm @ 6Mbps, 18 dBm @ 300Mbps

RF PERFORMANCE (RX)

- › 2.4 GHz: -90 dBm @ 6Mbps, -72 dBm @ 300Mbps

ANTENNA INDOOR

- › 2.4 GHz: 3 dBi omni-directional

ANTENNA OUTDOOR

- › 2.4 GHz: 2 dBi omni-directional

LEDS

- › Power, WiFi, Ethernet, G.hn

MECHANICAL

Outdoor:

- › Weather rating IP-55
- › Temperature rating -40 to 70 C° / -40 to 158 F
- › Store temperature -40 to 70 C° / -40 to 158 F
- › Mounting options Wall or pole (25 – 100 mm/ 0.98 to 3.94 inch)

Indoor:

- › Temperature rating 0 to 50 C° / 32 to 122 F
- › Store temperature -40 to 70 C° / -40 to 158 F
- › Mounting options Wall

DIMENSIONS

- › **Outdoor:** 185 x 119 x 44 mm/ 7.28 x 4.69 x 1.73 inch)
- › **Indoor:** 131 x 26 x 100 mm/ 5.16 x 1.02 x 3.94 inch

WEIGHT

- › Outdoor: 490 g (1.08 lb)
- › Indoor: 220 g (0.48 lb)

POWER

- › Operation voltage 12 – 54 V
- › Power consumption 6.5 W max
- › DC jack (central pin 2.0 mm, diameter 5.5 mm)
- › Screw terminal block (5 mm pin spacing) (outdoor model only)
- › Power through coaxial cable optional
- › Max current 2.5A on coaxial power system

ORDERING INFORMATION

Part Number	Description
GL-O-1GE-1C-XX	Outdoor cloud-managed Gigabit Ethernet to Coax bridge with reverse power feed and integrated 2.4GHz Wi-Fi
GL-I-1GE-1C-XX	Indoor cloud-managed Gigabit Ethernet to Coax bridge with reverse power feed and integrated 2.4GHz Wi-Fi

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



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