MeshLinq™

Cloud-Enabled Outdoor Switch

IgniteNet™'s MeshLinq™ is the first of its kind: a cloud-managed, Trill-enabled, managed switch with power over ethernet output purpose built for flexible, redundant, future-proof network deployments. The MeshLinq™ brings proven, high-end datacenter technology to ISP worldwide by bringing the Trill mesh protocol at an affordable price-point. The sleek design of the MeshLinq™ allows it to be placed inconspicuously indoors or outdoors, bringing simplified, easy to install network management to any location. When paired with the MetroLinq platform, blazingly fast, secure, and robust networks are a breeze to deploy.

Cloud-Enabled Networking

The IgniteNet™ MeshLinq™ is cloud-enabled out of the box allowing for easy, highly scalable installation, configuration, and management.

Powerful Trill Bridge Deployments

The MeshLinq™ brings the first low-cost Trill-enabled switch to market for robust, simple, powerful, and extremely scalable network designs.

Power Management

The MeshLinq™ has flexible power output configuration and can provide passive PoE output via software control to each of the 1Gbps ports (based on power input to the STB).

Robust Yet Simple Mounting Options

The MeshLinq™ can be wall or pole mounted in both indoors and outdoors, greatly simplifying installations in both offices, homes, parks, smart cities and many other applications.

Features

HARDWARE FEATURES

› 1x 2.5Gbps Ethernet Port (PoE IN)
› 4x Gigabit Ethernet Port (PoE OUT)
› Dual flash image support
› DC Input Screw Terminal
› IP55 standards rated enclosure

LEDs

› Power, Ethernet

DIMENSIONS (L X W X H)

› 240x150x49 mm/ 9.45x5.90x1.93 in

WEIGHT

› 720 g (1.59 lb)

POWER

› 24-56V DC
› 24-48V PoE
› 10W
› PoE Out (1A per port)

OPERATING ENVIRONMENT

› Operating Temperature: -30 to 55C° (-22 to 131F)
› Store Temperature: -40 to 70C° (-40 to 158F)

REGULATORY / STANDARDS COMPLIANCE

› FCC/IC
› CE

KEY FEATURES

› Support Service Provider and Enterprise type networks
› Stand-alone or Cloud-controlled operating modes
› PoE output on 1G ports to power radios and cameras and other PoE devices.
› Software controllable PoE out
› TRILL layer 2 mesh routing
› 2.5Gbps port for trunking LEDs or access modes

APPLICATIONS

› Fixed link mesh networks
› Video surveillance
› Outdoor switching

Ordering Information

Part Number	Description
ML-S-4GE-1MGE-XX	Outdoor switch, 4x1000Mbps + 1x2500Mbps Ethernet, PoE + DC Power

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

IgniteNet

www.ignitenet.com

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