

Nessum PLC > MegaChips Ethernet Bridge

The PH25FE-11 by GigaFast is a powerful and efficient Powerline (PLC) to Ethernet Bridge, designed to seamlessly extend your network using existing electrical wiring. Imagine needing to connect devices across long distances in challenging environments, where running new Ethernet cables is impractical or costly. This device acts as a bridge, transforming your electrical wiring into a robust network backbone. Utilizing the advanced Megachips Gen4 Multihop (G4 PLC) chipset, it delivers reliable data transmission, supporting up to 1024 nodes..

Essentially, the PH25FE-11 by GigaFast translates signals from your electrical wiring into standard Ethernet, enabling your network devices to communicate effectively. This bridge is engineered for dependability, energy efficiency, and easy integration, making it ideal for applications like industrial automation, smart grid deployments, and building management systems. It offers a secure, high-performance solution for extending network connectivity over existing electrical infrastructure, without the need for extensive rewiring.

Product Image



Features

- Megachips Gen4 Multihop series
- Support up to 1024 nodes
- Maximum 10Mbps over 10 hops
- Data rates up to 320Mbps over PLC
- Priority Level QoS
- Supports IPv4/IPv6

Specifications

Main Chipset	Megachips Gen4 Multihop series
Standards	IEEE1901 / Nessum PLC
Frequency Band	60kHz – 62.5MHz
Power Supply Input	100 ~ 240V @ 50/60Hz AC
Dimensions	1113mm x 97mm x 26mm
Operating Temperature	-40°C to 85°C ambient
Storage Temperature	-40°C to 85°C ambient
Humidity	10 to 90% maximum (non-condensing)
Status Lights	Power: on / off Master: on /off PLC link: on /off Ethernet link: solid/ blinking / off