

Nessum PLC > Socionext Ethernet Bridge

The GigaFast PH13F1-PS1 Nessum PLC to Ethernet Bridge transforms your existing electrical wiring into a reliable, high-speed network. Powered by the Socionext SC1320A chipset, it offers a simple plug-and-play solution for extending Ethernet connectivity throughout your home or building. Easily connect devices like routers, IP cameras, and computers, and utilize the optional RS485 interface for expanded functionality.

Security is paramount, with 128-bit AES encryption ensuring data privacy. This bridge supports up to 1024 nodes, extends network range with 10 hops, and delivers data rates up to 10Mbps (UDP). It features high noise immunity, low power consumption (0.2W typical), and repeating capabilities for wider network coverage.

Product Image



Features

- Socionext SC1320A
- Support up to 1024 nodes
- Maximum 10Mbps over 10 hops
- Data rates up to 240Mbps
- Low power: 0.2W
- 128-bit AES Encryption
- Nessum-PLC/Ethernet/RS485 bridge

Specifications

Main Chipset	Socionext SC1320A
Standards	IEEE1901 / Nessum PLC
Frequency Band	2 ~ 28 Mhz
Power Supply Input	100 ~ 240V @ 50/60Hz AC
Dimensions	87mm X 55mm X 27mm
Operating Temperature	-40°C to 85°C ambient temperature
Storage Temperature	-40°C to 85°C ambient temperature
Humidity	10 to 90% maximum (non-condensing)
Status Lights	Power: on / off PLC link: on / off Ethernet link: solid/ blinking / off