

HD-PLC (240Mbps) > Ethernet Bridge

The GigaFast Megachips-based Ethernet Bridge operates on the HD-PLC standard, enabling Ethernet connectivity through home AC wiring. The PS928-HB is a highly integrated HD-PLC device, featuring MegaChip's latest MLKHN1501 chipset optimized for data applications. An optional RS485 interface supports RS485 over PLC using the HD-PLC standard. With its plug-and-play installation, the PS928-HB easily connects to routers, set-top boxes, IP Cameras, or computers.

When combined with a broadband DSL/Cable connection, every room with an electrical power outlet gains convenient access to high-speed Internet. Our PS928-HB, like all our HD-PLC products, is equipped with 128-bit AES security encryption, ensuring exceptional privacy and security.

Furthermore, this device can be configured for repeating to extend coverage for wide area network applications.



Features

- MegaChips MLKHN1501
- Up to 1024 nodes
- HD-PLC / Ethernet / RS485
- Data rate up to 10Mbps (UDP/10 hops)
- Range up to 10km with 10 hops

Specifications

Main Chipset	MegaChips MLKHN1501
Standards	10/100M Fast Ethernet controller
Interface	IEEE1901 / HD-PLC
	One RJ-45 (10/100BASE-T Ethernet)
	One 240Mbps Power line
	128-bit AES link encryption with key management
	240 Mbps over Powerline
	Wavelet OFDM
	2 ~ 28Mhz
	Estimated range of 300 meters in wall power lines
	Cat. 5 UTP Cable
	-40°C to 85°C ambient temperature
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	10 to 90% maximum (non-condensing)
	100 ~ 240V @ 50/60Hz internal
	Embedded US / EU / UK / AU specifications
	Plastic (86mm x 55mm x 27mm)
	Power: on / off
	PLC link: red / orange / green / off
	PD Link : green / off

Application

