

PoE Ethernet Extension Module for HX9800

Features

- Eight RJ45 Ethernet interfaces
- Supports PoE/PoE+/PoE++ functionality
- Single LED indicator per port
- Hot-pluggable and software configurable
- RoHS compliant



Description

The hot-swappable PoE Ethernet extension modules are a series of five different plug-in cards designed for the HX9800. There are five available variations: the GFE-8T, GFE-8POE1, GFE-8POE2, GFE-4POEP1 and GFE-4POEP2. Each module comes with eight RJ45 ports and serves as an extension module for Ethernet ports on the system, with optional support for PoE (802.3af), PoE+ (802.3at), and PoE++ (802.3bt).

Ordering Information

Note 1: RoHS compliant units are identified by the letter **G** appearing at the end of ordering code.

Note 2: Before purchasing, please check the HX9800 main brochure to see if the following models are supported by the controller to be used with.

Ordering Code	Description	Notes
HX9800-GFE-8T-a- G	8-port 10/100/1000Mbps BaseT Ethernet card 8-port 10/100/1000Mbps BaseT Ethernet card	Works in 10GE slots (S3~S8) only
HX9800-GFE-8POE1-a- G	8-port 10/100/1000Mbps BaseT Ethernet card with POE+ capability on every port . The POE+ is powered from the system backplane with power limit of: - 150W (Total Per Card) - 30W (Per Port)	The PoE+ per IEEE 802.3at-2009 can fallback to support PoE per IEEE802.3af-2003 Works in 10GE slots (S3~S8) only For HX9800-GFE-8POE1-a-G and HX9800-GFE-4POEP1-a-G cards, only two of either may be registered on a single HX9800 simultaneously.
HX9800-GFE-8POE2-a- G	8-port 10/100/1000Mbps BaseT Ethernet card with POE+ capability on every port . The POE+ is powered externally from the card front panel with power limit of: - 240W (Total Per Card) - 30W (per Port)	The PoE+ per IEEE 802.3at-2009 can fallback to support PoE per IEEE802.3af-2003. Works in 10GE slots (S3~S8) only

Ordering Code	Description	Notes
HX9800-GFE-4POEP1-a-G	8-port 10/100/1000Mbps BaseT Ethernet card with POE++ capability on ports 2/4/6/8. The POE++ is powered from system backplane with power limit of: - 150W (Total Per Card) - 90W (per Port)	The PoE++, per IEEE 802.3bt-2018, can fallback to support PoE+ per IEEE 802.3at-2009 or PoE per IEEE802.3af-2003. Works in 10GE slots (S3~S8) only For HX9800-GFE-8POE1-a-G and HX9800-GFE-4POEP1-a-G cards, only two of either may be registered on a single HX9800 simultaneously.
HX9800-GFE-4POEP2-a-G	8-port 10/100/1000Mbps BaseT Ethernet card with POE++ capability on ports 2/4/6/8. The POE++ is powered externally from card front panel with power limit of: - 360W (Total Per Card) - 90W (per Port)	The PoE++, per IEEE 802.3bt-2018, can fallback to support PoE+ per IEEE 802.3at-2009 or PoE per IEEE802.3af-2003. Works in 10GE slots (S3~S8) only

Product Specifications

GFE (-8POE1, -8POE2, -4POEP1, -4POEP2, and -8T) Interface

LAN Gigabit Ethernet (GbE) Interface

Number of Ports 8

Connector Type RJ45

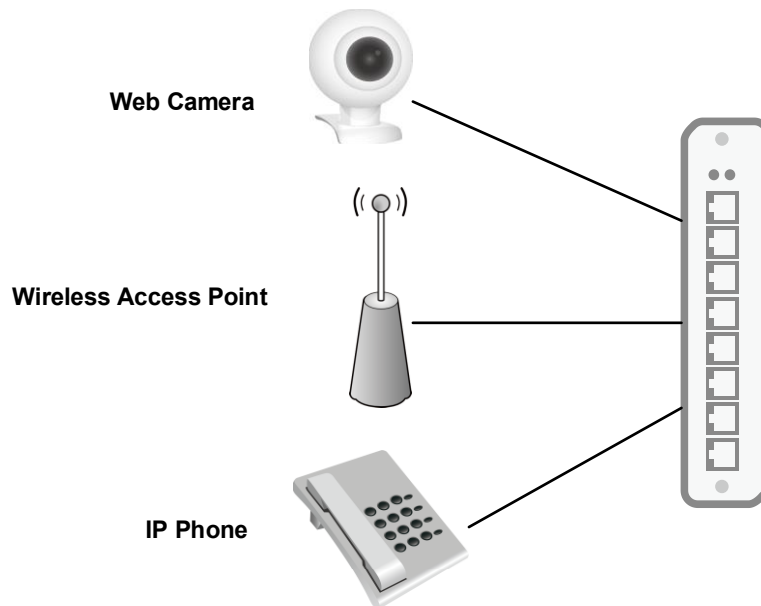
Speed	8T	10/100/1000Mbps Ethernet Twist-Pair
	8POE1/8POE2	10/100/1000Mbps Ethernet Twist-Pair
	4POEP1/4POEP2	10/100/1000Mbps Ethernet Twist-Pair

PoE Output for PDs	8T	none
	8POE1	30W (per port), 150W (per card)
	8POE2	30W (per port), 240W (per card)
	4POEP1	90W (on port 2/4/6/8), 150W (per card)
	4POEP2	90W (on port 2/4/6/8), 360W (per card)

Total Power Consumption	8T	22W	
	8POE1	22W (w/o PoE)	187W (w/ PoE) with a maximum power allocation of 150W for PDs
	8POE2	22W (w/o PoE)	275W (w/ PoE) with a maximum power allocation of 240W for PDs
	4POEP1	22W (w/o PoE)	187W (w/ PoE) with a maximum power allocation of 150W for PDs
	4POEP2	22W (w/o PoE)	380W (w/ PoE) with a maximum power allocation of 360W for PDs

Application Illustrations

The PoE card can supply power efficiently and constantly to a number devices and networks connected via Ethernet.



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