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Ver. 2

**Layer 2, 100Base-FX for PCs to POF(Plastic Optical Fiber) Network Adapter. Provides High-Speed POF for Desktop Computers with PCI Slot(s)**

### Overview

The FEPCI Series is 32bits PCI to 100Base-FX POF (Plastic Optical Fiber) converter. It fully compatible for IEEE 802.3u Fast Ethernet data communication standard in POF interfaces. This product is really plug-and-play and requires no additional settings. This solution is designed for use in a variety of applications including workstation NICs, PC motherboards, and other systems utilizing a PCI bus that require network connectivity to Ethernet.

The FEPCI Series supports several power down states, and the ability to issue a system "wake event" via reception of unique, user defined Ethernet frames. In addition, the FEPCI Series can assert a wake event in response to changes in Ethernet .



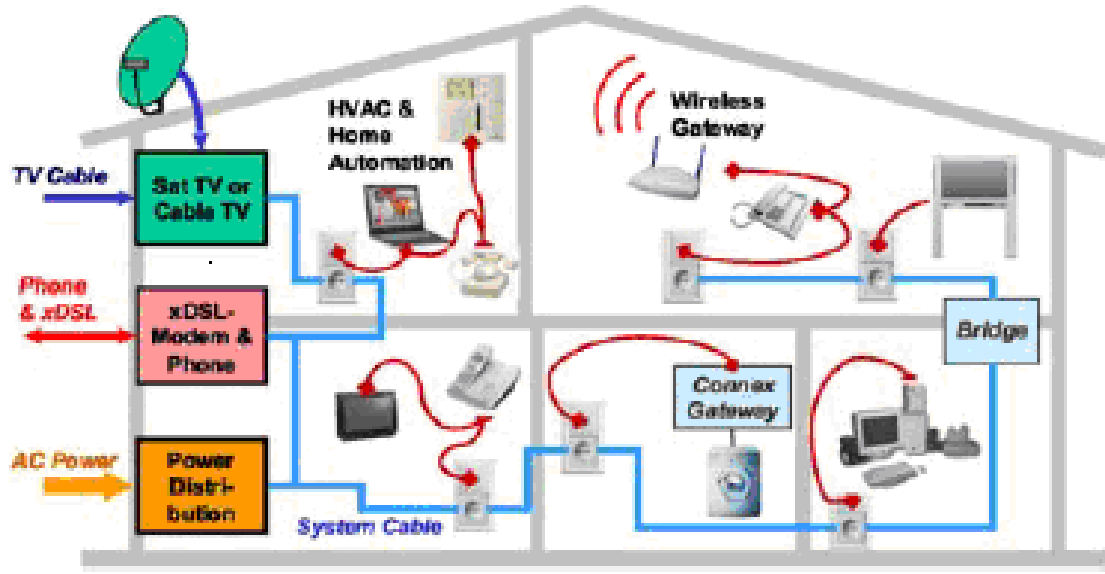
■ **Key Features**

- (1) Fully support 100Mbps full duplex Ethernet Media Access Controller
- (2) Full operation with PCI Clock from 25 MHz to 33 MHz
- (3) PCI Revision 2.2 compliant
- (4) Power management capabilities for ACPI 1.0 compliant systems
- (5) Wake On LAN support
- (6) Auto pad insertion for short packet.
- (7) Display converter status by LED indicators
- (8) Plug-and-play and easy installation

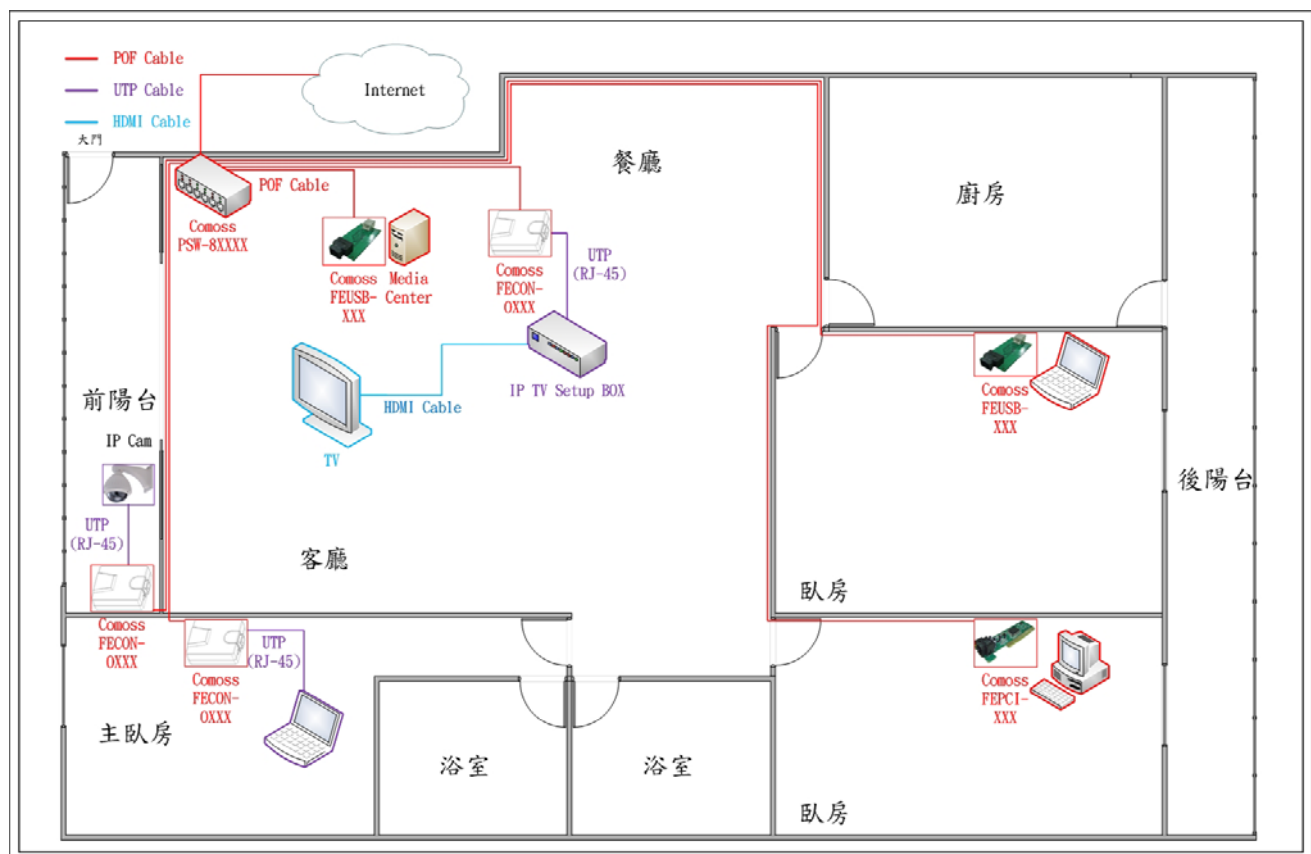
■ **Specification**

Parameter	Optical Port	Electrical Port
Standard compatibility	1.IEEE 802.3 Fast Ethernet 2.IEEE 802.3 Full Duplex Flow Control	1. PCI Local Bus Revision 2.2 2. PCI Bus Power Management Interface Revision 1.1 3. ACPI Revision 1.0
Data Rate	100Mbps	133Mbps
Transmitting Length	100M at POF interface	
Interface connector	Optolock or SMI POF transceiver	PCI Socket
Equipped cable	Optolock or SMI POF patch cord (Optional)	
LED Indication	Power status, FX link/ active status.	
Operating Environment	Temperature: 0~50 °C Humidity: 10%~90%	
Storage Environment	Temperature: -40~70 °C Humidity: 10%~90%(Non-condensing)	
Dimensions (W x D x H)	121 x 35 x 18 mm	
Total Weight	60g	
EMC Certification	1. FCC certification: Part 15 Subpart B 2. CE certification: EN55022/ 55024/ 61000-3-2/ 61000-3-3	

■ Applications



POF Network



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■ **LED Indications**



	LED	Color	Status	Function
LED1	FX LINK	Green	Blink	When any FX packet is transmitting.
LED2	FX ACT	Yellow	ON	If connection of POF is good.

■ **System Requirements**

1. Please make sure your PC and device support PCI slot.
2. There is no special hardware requirement such as CPU speed, memory size and chipsets.

■ **Order Information**

FEPCI - X X X  
(1) (2) (3)

(1) Converter Type:

- \*S: SMI POF interface
- \*O: Optolock™, Plugless POF interface.

(2) POF Cable O.D.:

- 0 : SMI POF interface, no POF O.D. required.
- 1 : 1.5mm Optolock™ Transceiver. White color.
- 2 : 2.2mm Optolock™ Transceiver. Black color.

(3) Accessory:

- 0: Without bracket
- 1: With standard bracket