

COMOSS FEPCI Series Network Adapter

Data Sheet

**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 .

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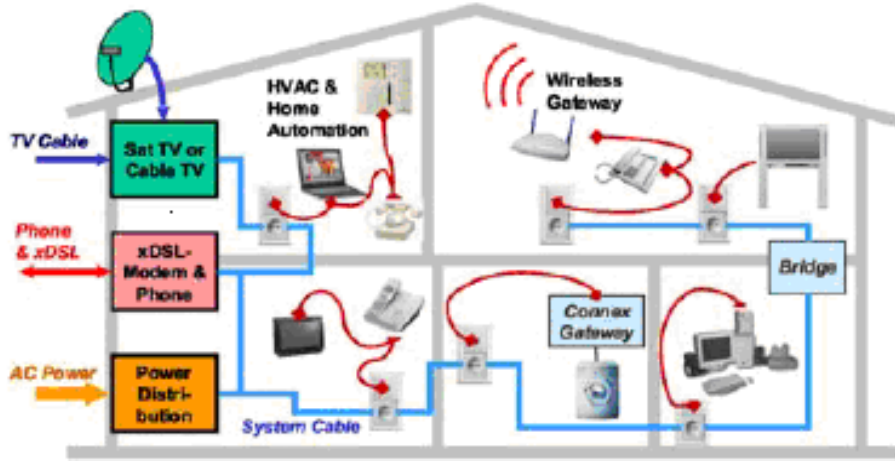
Key Features

- (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

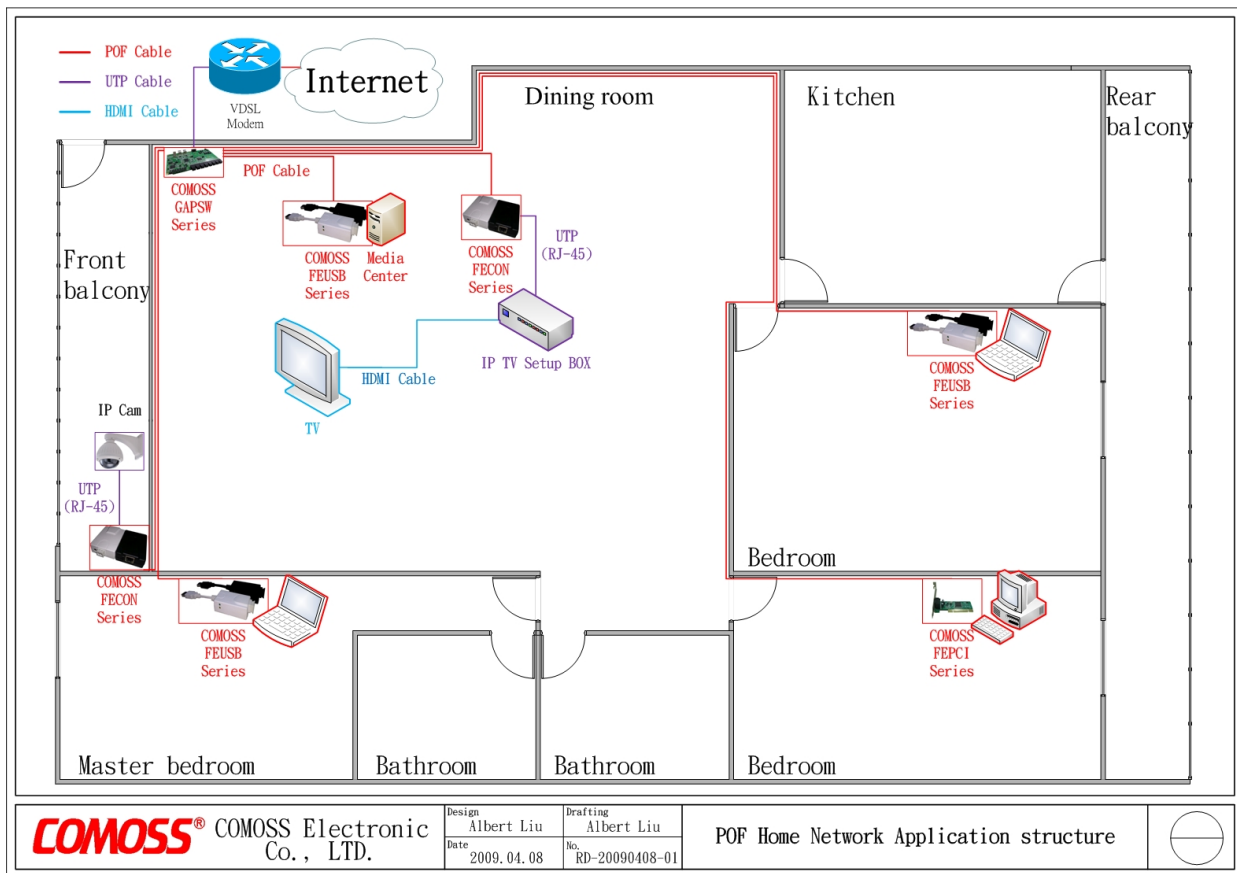
Specification

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	

Application



POF Network



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 Requirement

- (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

FEPICI - O X X
(1) (2) (3)

(1) Converter Type :

- S: SMI POF Interface.
- O: OPTOLOCK[®] POF Interface.

(3) Accessory :

- 0 : Without Bracket.
- 1 : With Standard Bracket

(2) POF Cable O.D. :

- 1 : One SMI transceiver no POF O.D. Require
- 2 : One 2.2mm OPTOLOCK[®] Transceiver (Black Color)
- 3 : One 1.5mm OPTOLOCK[®] Transceiver (White Color).

P.S. OPTOCLOCK[®] is a registered by FIRECOMMS Ltd.