Managed Gigabit Ethernet Converter

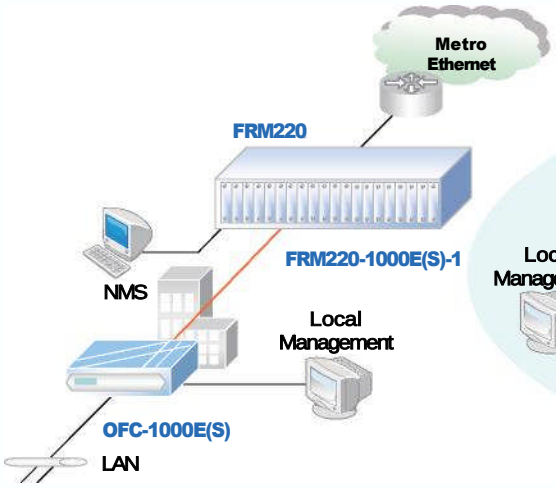
OFC-1000E(S)

The OFC-1000E(s) is a copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000 Base-TX and 1000Base-SX/LX with SC or SFP LC connector. This converter also supports features such as ingress/ egress bandwidth control, auto or forced mode setting for copper Ethernet as well as auto laser shutdown.

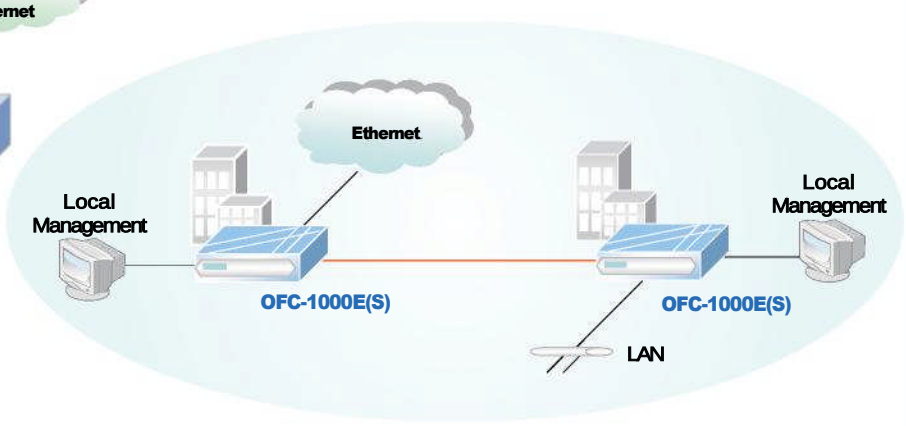
Features

- 10/100/1000Base-T to 1000Base-SX/LX SFP
- Auto-negotiation or forced mode
- Auto MDI/MDIX
- Forward 1632 bytes (max.) packets
- Support Bandwidth Control (70k ~ 250Mbps)
- Supports Flow control (Pause)
- Support Link fault pass through (LFP) function
- Supports remote CPE power fail detect (dying gasp)
- Auto Laser Shutdown (ALS)
- Online local f/w upgrade

Optical Interface	Connector 1x9 (SC) or SFP LC Data rate 1000Mbps Duplex mode Full duplex Fiber MM 50/125μm, 62.5/125μm. SM 9/125μm Distance MM 550m, 2km, SM 15/30/50/80/120km WDM 20/40/60km Wavelength MM 1310nm, SM 1310,1550nm WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)
Electrical Interface	Connector RJ45 Data rate 10Mbps, 100Mbps, 1000Mbps Duplex mode Half / Full duplex Cable 10Base-T Cat.3, 4, 5, UTP 100Base-TX Cat.5, 5e or higher 1000Base-T Cat.5, 5e or higher
Standard	IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3z
Indications	LED (Power, FX-Link, FX Duplex, TX-SPD, TX-Duplex, TX-Link)
Power Input	Card : 12VDC Standalone : AC, DC options
Power Consumption	< 5W
Dimension	201 x 135 x 35mm (D x W x H)
Weight	580g
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, LVD, RoHS
MTBF	75,000 hrs (25°C)



Managed GbE Media Converter



Ordering Information

OFC- ☐☐☐☐☐ Model Type

1000E 1000ES

Example: OFC-1000E

Fast Ethernet In-band Media Converter
OFC-10/100i

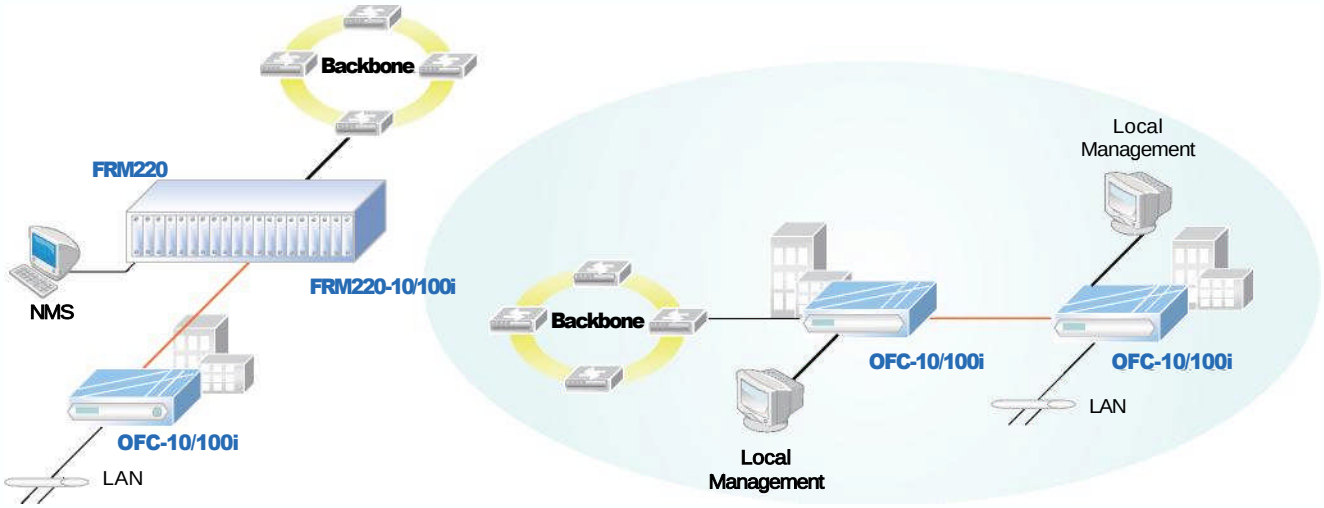
The OFC-10/100i is a 10/100Base Ethernet to 100Base-FX stand-alone AC/DC power built-in fiber converter designed for remote applications. With advanced features like bandwidth control, this media converter is targeted for customer premises equipment in metro LAN, campus, enterprise and FTTx applications. By offering in-band management, this converter can be completely controlled and monitored from a centrally located managed FRM220 rack, controlling all converter settings including band-width control, duplex, and speed configuration. This media converter is completely transparent to Layer 2 and Layer 3 protocols including IEEE 802.1q, VLAN tag, Q in Q, STP, IPX, IP, etc.

Features

- 10/100Base-TX to 100Base-FX
- Auto-Negotiation or forced mode
- Auto MDI/MDIX
- Local configuration via DB9 RS-232 port
- Forward 2046 bytes (Max.) packets in switch mode
- Forward 9K jumbo packets in converter mode
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports local / remote In-band management (Monitor and Configure) by the SNMP manager.
- Bandwidth control (Nx32K or Nx512Kbps)
- Support flow control (Pause)
- Supports remote CPE power fail detect (dying gasp)
- Supports Far End Fault
- Supports Link Fault Pass through (LFP)
- Supports Loop Back Test

Optical Interface	Connector	1x9 (SC, ST, FC)
	Data rate	100Mbps
	Duplex mode	Full duplex
	Fiber	MM 62.2/125μm, 50/125μm. SM 9/125μm
	Distance	MM 2km, SM 15/30/50/80/120km WDM 20/40/60/80km
	Wavelength	310nm, 1550nm
Electrical Interface	Connector	RJ45
	Data rate	10Mbps, 100Mpbs
	Duplex mode	Half / Full duplex
	Cable	10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e or higher
	Distance	100 meters
Standard		IEEE 802.3, IEEE 802.3u
Indications		LED (Power, FEF, FX-Link, TX-SPD, TX-Duplex, TX-Link)
Power Input		AC 100 ~240V, DC 18 ~72V
Power Consumption		< 4W
Dimensions		201 x 135 x 35mm (D x W x H)
Weight		580g
Temperature		0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity		10 ~ 95% non-condensing
Certification		CE, FCC, RoHS
MTBF		65,000 hrs (25°C)

Non-managed Fast Ethernet Media Converter



Ordering Information

OFC-□□□□□ Model type
10/100i

Example: OFC-10/100i