# FOCD-I-TX-FX/SFP
# FOCD-I-TGX-GSX-GLX/SFP

## ETHERNET FIBER CONVERTER

### Features

- Ethernet/Fast-Ethernet/ Gigabit Ethernet media and Switch Converter

- **FOCD-I-TX-FM/FS30** 100FX multi-mode 2km or single mode 30km to 10/100BaseTx

- **FOCD-I-TX-SFP** 100FX with SFP to 10/100BaseTx

- **FOCD-I-GTX-GS/GL10** 1000SX multimode 550m or 1000LX single mode 10km to 10/100/1000BaseTx

- **FOCD-I-TGX-SFP** 1000SX/LX with SFP to 10/100/1000BaseTx

- Plastic box design with DIN-rail and wall fixation

- 48V power supply with dual input terminal block and J21 jack

- « Link Alarm » function

- *9K Bytes Jumbo Frames* : support jumbo frame size 9KBytes to ease the network traffic loading and facilitate IPTV service.

- Working temperature –20 to +60°C

## ETHERNET DISTRIBUTION FROM FIBER

CXR FOCD-I series media converters are the Fast Ethernet 10/100Base-TX to 100Base-FX media converter. The FOCD-I series media converter converts traditional twisted-pair RJ45 cable into various Fiber media including multi-mode, single-mode, SC connector, bi-directional WDM, or a SFP slot for pluggable fiber transceiver. The traditional transmission distance of 100m over RJ45 copper can be extended from 2km to 120km over fiber.

FOCD-I series media converters adopt the brand new ID appearance as well as the well considered designs for the demand of different customer segments.

The fexible power options have either DC power or AC/DC power adaptor to fulfill most of practical deployment scenarios. The extended operating temperature of FOCD-I is from -20°C to 60°C which enables user to install the equipment under critical environment without reliability and stability concerns. It is especially designed for network operators, metro Ethernet providers, enterprise, SMB customer segment, who have the need of implementing fiber optical Ethernet networks over long distance for FTTx solutions with the demand of wide operating temperature and are looking for an effortless and robust 1000Mbps media converter.

FOCD-I series media converters are fully compliant with IEEE 802.3, 802.3u standards. Besides, it is equipped with some switching features including flow control and store and forward. Additionally, Link Alarm feature enables administrators to monitor the fiber link status in visual and intuitive mechanism.

**FOCD-I-TX/GTX**

# SPECIFICATIONS

SFP Version

### Copper Interface
10/100Base-TX  or
10/100/1000Base-TX, RJ45

### Fiber Interface:
100Base-FX or 1000SX/LX

- Fixed multi-mode interface with SC or ST connector
- Fixed Single mode interface, 30Km FX and 10km GLX with SC connector
- Slot for SFP module SFP no included. CXR supply optional multimode or single mode or CWDM SFP

### Standards
IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3x Flow Control

### Hardware specification
Rate Auto-Negotiation of copper port
MDI/MDIX Auto-selection
Support of « Link Alarm » function
MAC address table of 1K
48K Bytes Memory Buffer

### Ethernet Features
Support 9K Jumbo frames
Support Flow Control
Store and Forward switching Mechanism

### Set up
DIP Switch Configuration

### LED
Power (PW1 & PW2), FDX, Status, Speed,
F/O Link/Act, TX Link/Act, PWR/Port Status

### Environmental Condition
Operating temperature  -20° ~ 60℃
Storage Temperature     -20° ~ 70℃
Humidity 5% ~ 90%, non-condensing

### Dimension & weight
Size : 35x93x105 mm  (H x P x L)
Weight 0.42Kg

### EMC/Safety
CE, FCC Part 15 Class A,

### Installation Type
Wall Mounting
DIN-rail Mounting

### MTBF
113 years

### Power supply request:
DC Power Jack x 1
DC Terminal Block x 2
Input Voltage : 12VDC/48VDC
Power consumption :
DC12V input: 2.16W
DC48V input: 2.88W

# ORDER INFORMATION

| FOCD-I-TX-FM | Industrial media converters DIN rail format, 10/100BT to100FX  multimode 1310nm budget 15dB, distance 2km, full duplex SC, -20 to+60°C,12-48v power supply  terminal block and jack J25. |
|---|---|
| FOCD-I-TX-FS30 | Industrial media converters DIN rail format, 10/100BT to100FX single mode 1310nm budget 22dB, distance 30km, full duplex SC,-20 to+60°C,12-48v power supply  terminal block and jack J25. |
| FOCD-I-TX-SFP | Industrial media converters DIN rail format, 10/100BT to100FX  w/o SFP module, -20 to+60°C,12 & 48v power supply  terminal block and jack J25. |
| FOCD-I-TGX-GS | Industrial media converters DIN rail format, 10/100/1000BT to1000SX  multimode 850nm budget 15dB, distance 550 m, full duplex SC, -20 to+60°C,12-48v power supply  terminal block and jack J25. |
| FOCD-I-TGX-GL10 | Industrial media converters DIN rail format, 10/100/1000BT to1000LX single mode 1310nm budget 22dB, distance 30km, full duplex SC,-20 to+60°C,12-48v power supply terminal block and jack J25, power. |
| FOCD-I-TGX-SFP | Industrial media converters DIN rail format, 10/100/1000BT to1000SX/LX  w/o SFP module, -20 to+60°C,12-48v power supply terminal block and jack J25. |
| | **Power supplies adapter** |
| ACDC-12V-18W | AC to 12V DC 18W at 0 to 50°C. |
| ACDC-I-24V-30W-DP | Industrial Power supply  AC to 24V DC (88-264Vac at 24V 1.5A 30W). terminal block. –20°C t0 60°C.  Plastic Case - DIN Rail mounting. |

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