FOCD-H-TGX-SFP

HARDENED MEDIA CONVERTER

Overview

CXR FOCD-H-TGX-SFP stands out as a robust media converter, designed to operate efficiently within a broad temperature range spanning from -40 to 75˚C. Its functionality extends to converting 1000Base-X SFP to a 10/100/1000Base-T RJ-45 port, ensuring full compliance with IEEE 802.3, 802.3u, 802.3ab, and 802.3z standards.

In addition to its rugged capabilities, the FOCD-H-TGX-SFP, despite being an unmanaged media converter, offers users intuitive configurability and monitoring options. This is facilitated through the DIP switch and LED indicator on its panel. The DIP switch empowers users to control various functions, including Link Alarm, Data-diode, and more.

These user-friendly attributes contribute to the FOCD-H-TGX-SFP's versatility, transforming it into not just a straightforward product but a comprehensive solution for diverse needs.

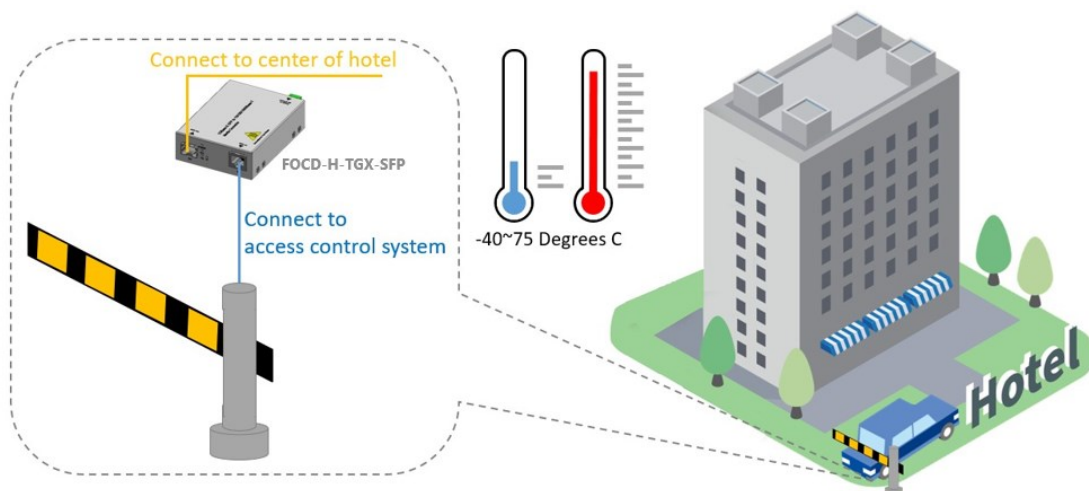## CONNECTIVITY
1 x 1000Base-X SFP
to
1 x 10/100/1000Base-T
RJ-45

_____

HARDENED

Hardened Grade
-40 to +75°C

Applications

Target Applications
- FTTX Metro Ethernet Implementations.

Specifications

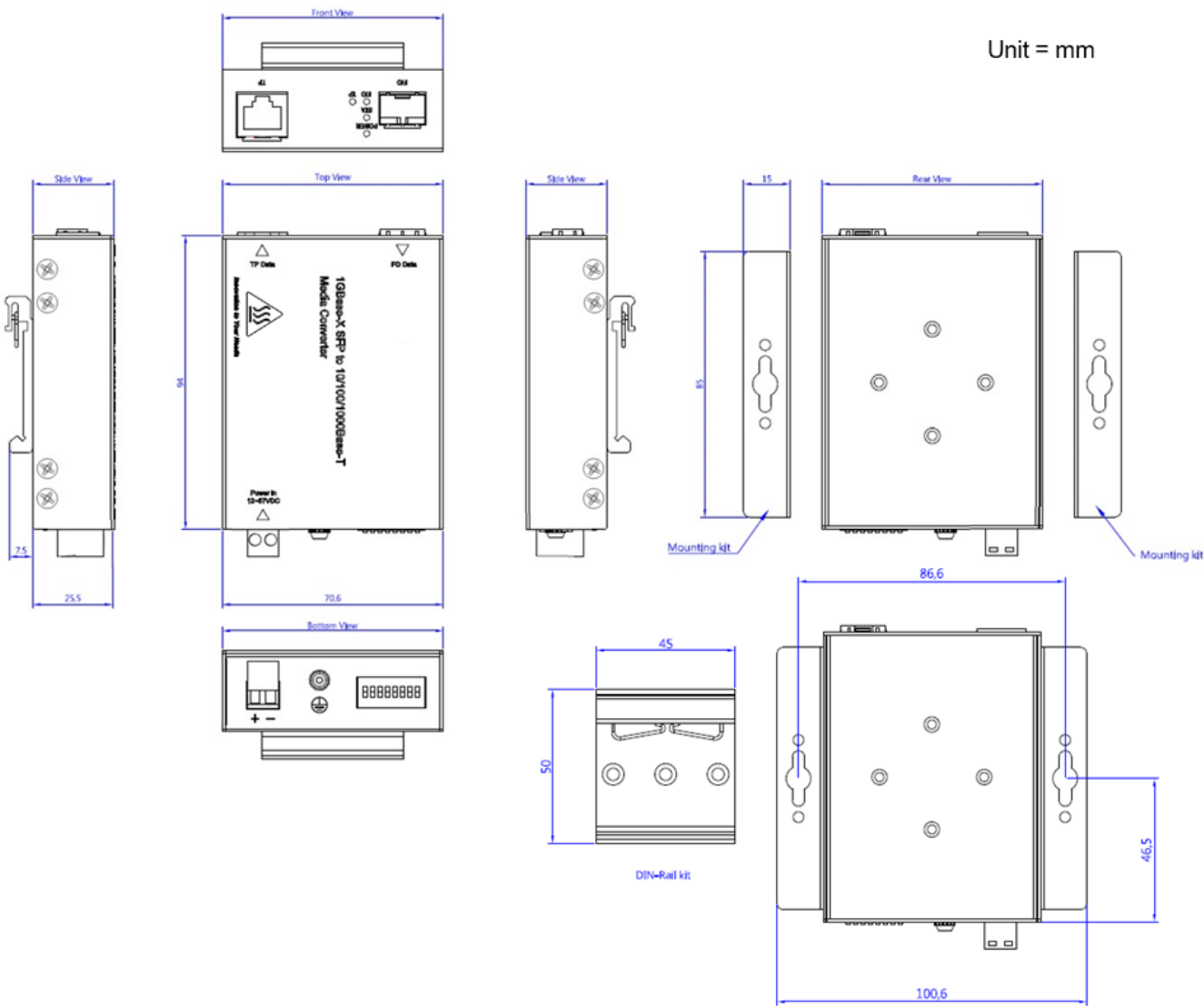| Specifications	
Interfaces	• 1 x 1000Base-X SFP Slot • 1 x 10/100/1000Base-TX RJ-45
Standards	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-X
H/W Specifications	• MAC Address Table: 2K • Non-blocking Switching Fabric: 4Gbps • Throughput @ 64Bytes: 2.9 Mpps • Jumbo Frame: 9K Bytes • Packet Buffer: 1Mbit • Store and Forward Switching Mechanism • Auto-Cross over for MDI/MDI-X in TP port • Full/Half Duplex Mode Operation
Forwarding/Filter Rate	• 10M: 14,880/14,880pps • 100M: 148,800/148,800pps • 1000M: 1,488,000/1,488,000pps

DIP Switch	• Auto/Force Mode for F/O
	• Enable/Disable Data-diode
	• Data-diode Direction
	    - Block Fiber to RJ-45 direction
	    - Block RJ-45 to Fiber direction
	• Enable/Disable Link alarm

LED	• Power • Status • TX Link/Act • F/O Link/Act
Operating Environment	• Operating Temperature: -40 to +75°C • Storage Temperature: -40 to +85°C • Humidity: 5% - 95 % (non-condensing)
Physical	• Dimensions (WxDxH): 71x94x26mm • Weight: 190g
Safety	• CE • FCC Class A
Power Supply	• DC Input: 12~57V (2-pin removable terminal block) • Max. Power Consumption: 2.45 watts (8.36BTU/hr)
Installation Method	• Flat type DIN-rail kit • Flat type wall-mount kit • Magnetic-mount kit (optional) • Slim type DIN-rail kit (optional) • Slim type wall-mount kit (optional)

Dimensions

Unit = mm

Ordering Information

Part Number	Designation
FOCD-H-TGX-SFP	Hardened media converter DIN rail format, 1 x 10/100/1000BT to 1000-X w/o SFP module, -40 to+75°C, 12~57VDC power supply input available on terminal block. Metal housing.

CXR
T +33 (0) 237 62 87 90
www.cxr.com

17 Rue de l'Ornette 28410 Abondant France
contact@cxr.com

Smart Solutions for Smart Networks