

FOCD-H-TGX-SFP

HARDENED MEDIA CONVERTER



CONNECTIVITY

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

HARDENED

Hardened Grade
-40 to +75°C

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 100/1000Base-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.

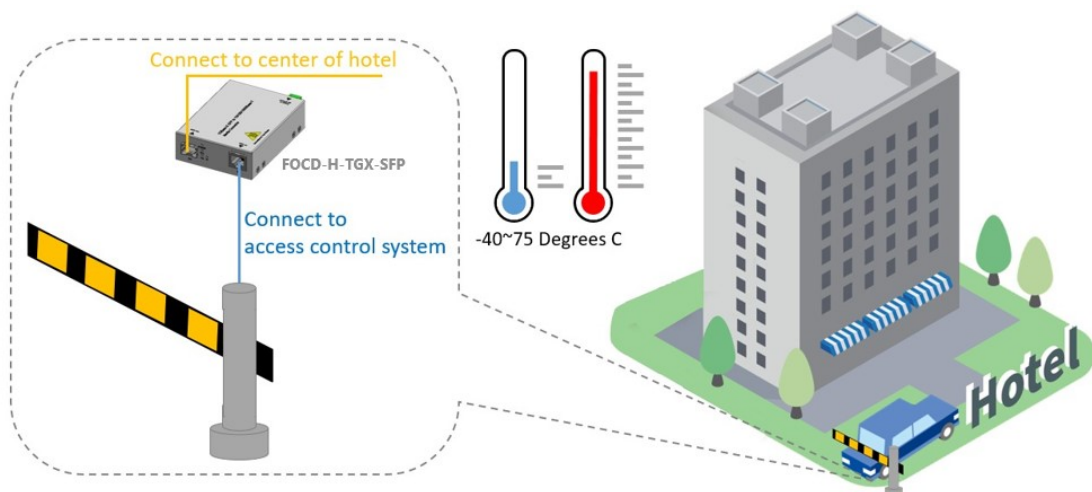
In addition to its rugged capabilities, the **FOCD-H-TGX-SFP**, despite being an unmanaged media converter, offers users intuitive configurability and monitoring options. This is facilitated through the DIP switch and LED indicator on its panel. The DIP switch empowers users to control various functions,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

Applications

Target Applications

FTTX Metro Ethernet Implementations.

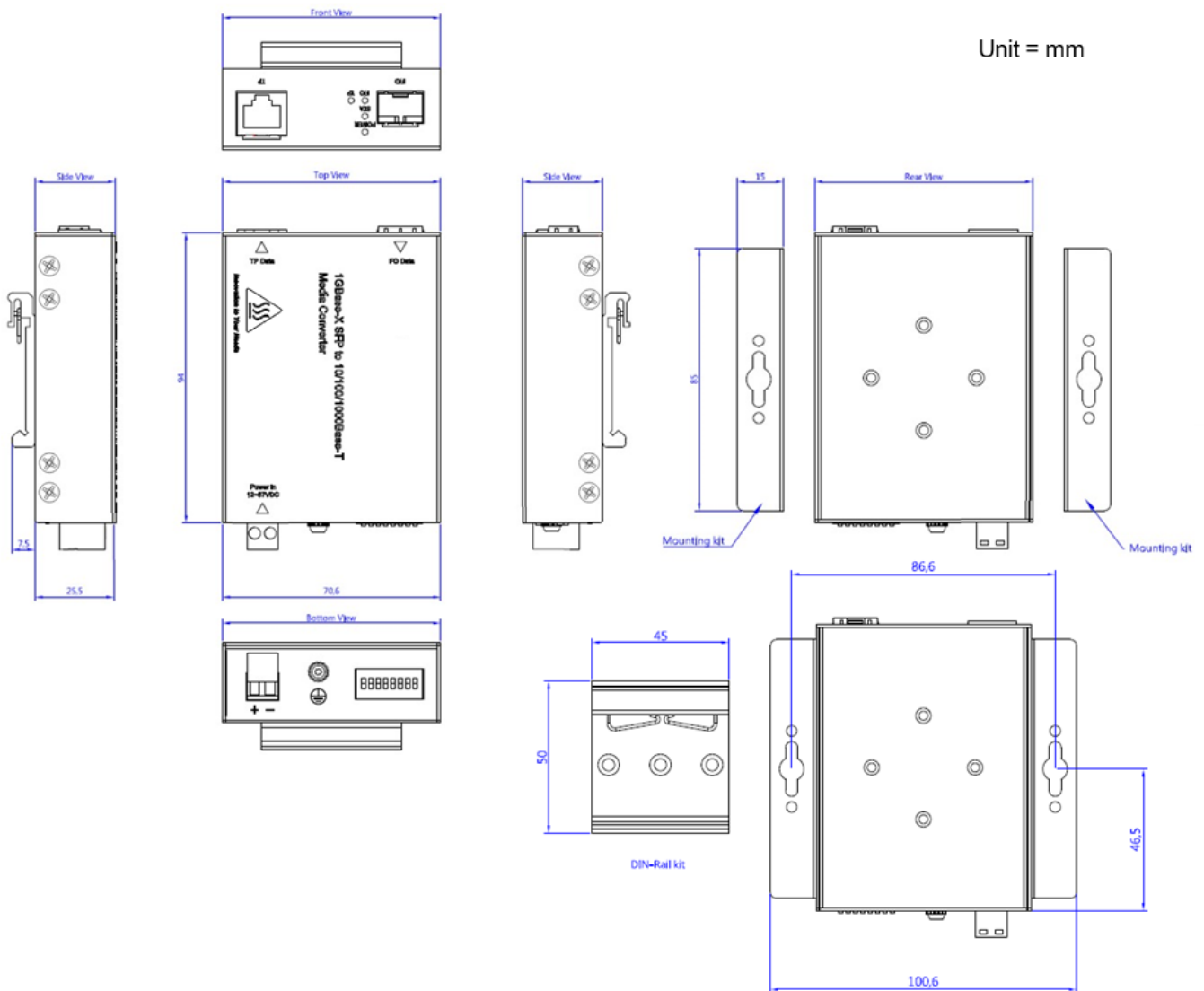


Specifications

Specifications	
Interfaces	<ul style="list-style-type: none"> • 1 x 100/1000Base-X SFP Slot • 1 x 10/100/1000Base-TX RJ-45
Standards	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-X
H/W Specifications	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 10M: 14,880/14,880pps • 100M: 148,800/148,800pps • 1000M: 1,488,000/1,488,000pps
DIP Switch	<ul style="list-style-type: none"> • Auto/Force Mode for F/O • Enable/Disable Data-diode • Data-diode Direction <ul style="list-style-type: none"> - Block Fiber to RJ-45 direction - Block RJ-45 to Fiber direction • Enable/Disable Link alarm
LED	<ul style="list-style-type: none"> • Power • Status • TX Link/Act • F/O Link/Act
Operating Environment	<ul style="list-style-type: none"> • Operating Temperature: -40 to +75°C • Storage Temperature: -40 to +85°C • Humidity: 5% - 95 % (non-condensing)
Physical	<ul style="list-style-type: none"> • Dimensions (WxDxH): 71x94x26mm • Weight: 190g
Safety	<ul style="list-style-type: none"> • CE • FCC Class A
Power Supply	<ul style="list-style-type: none"> • DC Input: 12~57V (2-pin removable terminal block) • Max. Power Consumption: 2.45 watts (8.36BTU/hr)
Installation Method	<ul style="list-style-type: none"> • 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 1 x 100/1000-X w/o SFP module, -40 to+75°C, 12~57VDC power supply input available on terminal block. Metal housing.



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