

FOCD-I-TPS-FX/SFP

FOCD-I-TGPS-GSX/GLX/SFP



Feature

- Ethernet/Fast-Ethernet/ Gigabit Ethernet media and Switch Converter
- Copper Ethernet POE source PSE according to IEEE802.3af and 802.3at up to 30W or "POE PLUS"
- **FOCD-I-TPS-FM/FS30**
100FX multi-mode 2km or single mode 30km to 10/100BaseT PoE PSE
- **FOCD-I-TPS-FX-SFP**
100FX with SFP to 10/100BaseT PoE PSE
- **FOCD-I-TGPS-GS/GL10**
1000SX multimode 550m or 1000LX single mode 10km to 10/100/1000BaseT PoE PSE
- **FOCD-I-TGPS-SFP**
1000SX/LX with SFP to 10/100/1000BaseT PoE PSE
- Plastic box design with DIN-rail and wall fixation
- 48V power supply with dual input terminal block and J21 jack
- « Link Alarm » function
- Working temperature -20 to +60°C

DISTRIBUTION OF POE ETHERNET FROM FIBER

The media converters **FOCD-I-TPS/TGPS** distribute the Ethernet access and the POE source up to 30W from a fiber in building and factories. This compact device integrates a DIN-rail fixing and several wall fixing and is convenient for installation in intelligent building. His adaptive POE Plus source 802.3at can power any type of camera, Wifi access point, building access control... over the Ethernet port.

The **FOCD-I-TPS/TGPS** work between -20 to +60°C and can be install in non protected zone. The power supply is providing by a simple AC/DC converter with jack or with industrial DC power supply connected to dual terminal block. CXR provide in option these power converters.

The fiber port to the Ethernet source is available as 100FX or 1000SX/LX with fixed optical transceiver or with SFP. The SFP modules are supplied option.

The **FOCD-I-TPS** integrate a switch to 10Baset and 100BaseT or the version **FOCD-I-TGPS** switch to 10/100/1000BaseT equipment. The rate settling is process automatically of per DIP switch selection.

The **FOCD-I** supports the « Link alarm » function, then in case the fiber port us cut the copper port is down or when the copper port is down or disconnect the fiber port is down. This function is particularly interesting to advise the switch/router when the link is down. All functions including also the rate, the auto/half/full duplex can be un selected by DIP switch.

Fiber port is a fixed fiber or and SFP module. CXR supply in option a large range of SFP: multi-mode up to 2km, single mode up to 200km, standard dual fibers or single fiber WDM or CWDM to share the same fiber together with CWDM filter.

The **FOCD-I-TPS/GTPS** a plug and play installation in building, dry industrial sites for camera, Wifi/Wimax access point without any adjustment of Ethernet or POE source.



FOCD-I-TPS



SFP Version

SPÉCIFICATIONS

Copper Interface:

10/100Base-TX or
10/100/1000Base-TX, RJ45
POE source PSE support
IEEE802.3af up to 15,4W and
IEEE802.3at up to 30W

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
IEEE 802.3af PoE PSE 15,4W maximum
IEEE 802.3at PoE PSE 30W maximum

Hardware specification:

Rate Auto-Negotiation of copper port
MDI/MDIX Auto-selection
Support of « Link Alarm » function
Table MAC address 1K
Buffer 48Koctet

Ethernet supports:

MTU= Jumbo frames up to 9K
Flow Control

Two ports Layer 2 switch Store and Forward

Set up

Automatic or per DIP Switch

LEDs:

Power, FDX, Status, Speed,
F/O Link/Act, TX Link/Act, POE

Environment

Working temperature -20° ~ 60°C
Stocking -20° ~ 70°C
Humidity 5% ~ 90%, non-condensed

Dimension/weight

106x90x35 mm (H x P x L)
with connector 106x100x35mm
Shipping weight 0.42Kg

Safety and EMC

CE, FCC Part 15 Class A,

Integrated fixing

Wall on back or side
DIN-rail

MTBF

113 years

Power supply request:

48VDC

Over dual input on terminal block or by jack
Consumption 4W without POE,
34W with maximum supply of POE

MODEL NUMBER

FOCD-I-TPS-FM	Industrial media converters DIN rail format, 10/100BT PoE PSE 802.3at 30W to 100FX multimode 1310nm budget 15dB, distance 2km, full duplex SC, -20 to +60°C, 48v power supply w terminal block and jack J25, power consumption 40W
FOCD-I-TPS-FM-ST	Industrial media converters DIN rail format, 10/100BT PoE PSE 802.3at 30W to 100FX multimode 1310nm budget 15dB, distance 2km, full duplex ST, -20 to +60°C, 48v power supply w terminal block and jack J25, power consumption 40W
FOCD-I-TPS-FS30	Industrial media converters DIN rail format, 10/100BT PoE PSE 802.3at 30W to 100FX single mode 1310nm budget 22dB, distance 30km, full duplex ST, -20 to +60°C, 48v power supply w terminal block and jack J25, power consumption 40W
FOCD-I-TPS-SFP	Industrial media converters DIN rail format, 10/100BT PoE PSE 802.3at 30W to 100FX w/o SFP module, -20 to +60°C, 48v power supply w terminal block and jack J25, power consumption 40W
FOCD-I-TGPS-GS	Industrial media converters DIN rail format, 10/100/1000BT PoE PSE 802.3at 30W to 1000SX multimode 850nm budget 15dB, distance 550 m, full duplex SC, -20 to +60°C, 48v power supply w terminal block and jack J25, power consumption 40W
FOCD-I-TGPS-GL10	Industrial media converters DIN rail format, 10/100/1000BT PoE PSE 802.3at 30W to 1000LX single mode 1310nm budget 22dB, distance 30km, full duplex SC, -20 to +60°C, 48v power supply w terminal block and jack J25, power consumption 40W
FOCD-I-TGPS-SFP	Industrial media converters DIN rail format, 10/100/1000BT PoE PSE 802.3at 30W to 1000SX/LX w/o SFP module, -20 to +60°C, 48v power supply w terminal block and jack J25, power consumption 40W
Power supplies adapter	
ACDC-I-48V-36W-J21	AC to 48V DC 36W at 0 to 40°C, 28W up to 50°C, 5.5/2.5mm standard jack for FOCD-I-TPS, DC cord 1.2m, AC cord IEC320/C8 1.5m Europe, plastic case
ACDC-I-48V-36W-J21UK	AC to 48V DC 36W at 0 to 40°C, 28W up to 50°C, 5.5/2.5mm standard jack for FOCD-I-TPS, DC cord 1.2m, AC cord IEC320/C8 1.5m UK, plastic case
ACDC-48V-75W-DM	AC to 24v 1,5A Adaptor for switch, working temperature -20 to +60°C block terminal, plastic box with DIN rail fixing
ACDC-I-48V-120W-DM	AC to DC48V 2,5A 120W adaptor for switch and media converter, tpure -10 to +60°C, terminal block, DIN-Rail metal box
DCDC-I-12-48V-84W-DM	DC-DC converter 12V to 48V 1,78A 85W Adapter, tpure -10 to +60°C, terminal block, DIN rail metal box
DCDC-24-48-200W-DM	DC-DC converter 24V to 48V 200W, galvanic isolation w fan.
ACDC-FOC-TPS-48-60W	AC to DC 48V at -30 to 70°C, 60W , plastic box, jack connector (-UK: UK power cord, -FR: FR power cord)
ACDC-H-48V-60W-DP	AC/DC converter 88-264Vac at 48V , hardened -20 to +70°C, 1.25A 60W at 50°C, 36W at 70°C, terminal block, DIN-rail plastic case, LxDxH 40x90x100mm



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