

Fibrain FMU-APA12G-E, the 10/100/1000M media converter can help the user convert their 1000Base TX port to 1000Base FX port (using suitable SFP transceiver), extending the network transmitting distance up to 120km (FO transmission depends on SFP transceiver type). Although the 1000Base-T technology and the appearance of related adaptors reduced the construction cost of 1000M Ethernet, in the majority network, the copper wire still sets limit on network extending distance. When the 1000M network copper wire transmitting distance needs to be extended FMU-APA12G-E media converter will provide an economy highly effective solution for the user.

This standalone media converter can be installed on the standard 19"2U rack with 16 slots, which will be convenient for concentration and being powered.



Reference: FMU-APA12G-E

Key features:

- 10/100/1000Base-T to 1000Base-LX/SX single conversion, full duplex 1000M working pattern
- SFP Cage allows usage of different SFP transceivers: SX, LX, BiDi, CWDM, DWDM
- Transmission distance depends on SFP transceiver type: up to 120km
- Passive cooling
- High quality components
- MAC address auto-learning and auto-updating
- Store-and-forward architecture
- Supporting FDX flow control or HDX back pressure
- Supporting Auto-negotiation for RJ45 interface
- Supporting frames up to 1916 bytes long
- LED status display:
 - Port activity,
 - Power
 - Transmission speed
 - Copper interface link
 - Optical interface link
- MTBF time exceeding 50 000 hours



Parametry techniczne:

Transmission Speed:	10/100/1000Mbps
Standards:	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3ab 1000Base-T Gigabit Ethernet , IEEE802.3z 1000Base-LX Gigabit Ethernet IEEE802.3x Flow control
Wavelength:	Depends on SFP transceiver type
Certificates:	CE, RoHS
Transmission Distance:	Optical interface: depends on SFP transceiver type RJ45 interface: CAT5: 100m
Ports:	Copper: RJ45 Optical: depends on SFP transceiver type
Conversion Method:	store-and-forward
Delays:	<10us
BER:	<1/1000000000
LED Indicator Lamps:	POWER, FX LINK/ACT(fiber link), FDX (FX-full duplex) , TP LINK/ACT (twisted pair link) , TP 100 (TP 100M data rate) , FX 1000 (FX 1000M data rate) (external power)
Power supply:	DC 5V/1A (external power supply)
Power Consumption:	<5W
Operating Conditions:	Temperature: 0 ~ 50 °C Humidity: 5%~90% non- condensing
Storage Conditions:	Temperature: -40 ~ 70 °C Humidity: 5%~90% non-condensing
Case Material:	Aluminium
Weight:	0.15kg netto; 0.40kg brutto
Dimensions:	25mm (height) x 70mm (width) x 93mm (depth)

Specification is subject to change without end user notification. Submitted pictures are for reference only. Product can differ from presented on pictures.

Rack mounted 2U chassis available on demand (ref. FR-16C-AC or FR-16C-DC).
For further details please visit www.fibrain.pl or direct contact our sales dept.