FIBRAIN ®
Fiber Optic Solutions

FMU-AMR01M-30S-002-E series product, dual fiber desktop type media converter is designed to transmit and receive 10/100 Mbps data over multimode optical fiber. The electrical interface will Auto-Negotiate to 10 Mbps or 100Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. LED indicators are provided for rapidly ascertaining equipment operating status. This standalone media converter can be installed on the standard 19" 2U rack with 16 slots (sold separately). For power redundancy rack chassis has built-in two power supplies which can be connected to independent power sources.

Product number: FMU-AMR01M-30S-002-**E**

Key Features:

- Conversion between 10/100Base-TX and 100Base-FX
- Transmission distance up to 2km
- Multimode transceiver (1300nm)
- Passive cooling system
- Only high quality transceivers are used
- Automatic MAC address learning and aging
- User can choose between store-and-forward or straight-through transmission mechanism
- FDX flow control or HDX back pressure
- Speed autonegotiation for RJ45 port, with flow control mechanism

- Hardware switches for custom configuration
- Link State Forward function
- Support for frames with length up to 1600 bajtów
- Information about port states are presented on LEDs:
  - Port activitiy,
  - Power supply
  - Transmission speed
  - Copper link state
  - Optical link state
  - Duplex state (full/half)
- MTBF exceeding 500 000 hours

Technical parameters:

Transmission speed:	10/100Mbps
Standard compliance:	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3u 100Base-FX Fast Ethernet, IEEE802.3x Flow control
Optical wavelength:	1300nm
Certificates:	CE, RoHS
Estimated reach:	Optical port: up to 2km RJ45 port: CAT5: 100m

Optical parameters:	TX Power	RX Sensitivity	RX Overload
	-23dBm ~ -14dBm	-30dBm	-3dBm

Ports:	Copper: RJ45 Optical: SC Duplex
Conversion mode:	store-and-forward, straight-through
Delays:	<10us store-and-forward, <1us straight-through
BER:	<1/1000000000
LED:	PWR, FPL, TPL, TRX, FRX, 10/100M
Power:	External DC 5V/1A, included in package
Power consumption:	<5W
Working environment:	Temperature: 0 ~ 50 ℃ Humidity: 5%~90% non condensing
Storage environment:	Temperature: -40 ~ 70 ℃ Humidity: 5%~90% non condensing
Enclosure material:	Aluminium
Weight:	0.15kg netto; 0.40kg brutto
Dimensions*:	28mm (height) x 92mm (width) x 117mm (depth)

Specification is subject to change without end user notification. Submitted pictures are for reference only. Actual product look may differ from presented on pictures

* - without optical transceiver

Rack chassis sold separately (ref number. FR-16C-AC / FR-16C-DC)