



## FMUX1001

### Modularized 16E1/T1 + 4x GbE Managed Fiber Multiplexer

The FMUX1001 is a 1U, 19" rack mountable, PDH fiber optic multiplexer that transmits up to 16 channels plus a 10/100/1000Base-T Gigabit Ethernet channel over a single fiber optic link. The FMUX1001 chassis supports redundant power and hot swappable design. The AC supplies operate from 100~240VAC while DC supplies operate from 18~60VDC. From the rear of the chassis, one to four hot swappable quad E1 or T1 line cards, serial data communications (V.35, X.21, RS-530) or FXO/FXS voice cards are supported. The standard FMUX1001 configuration may be viewed or set via the front panel LCD/menu keys, serial VT-100 terminal connection, Telnet, web HTTP or SNMP.

#### Feature

- 1U, 19 (23)" 4-slot chassis
- 16 E1 (2.048Mb/s) Multiplexer with 100/1000Mbps Ethernet and RS-232 data (async) Interface
- RS-232 port for system console
- One alarm output port, one Order Wire port
- 4x 10/100/1000Base-T Ethernet ports
- SNMP management
- LCD plus menu keys for local configuration
- Port based VLAN, tag based VLAN & bandwidth control
- Telnet and web based remote configuration
- 2 plug-in SFP slot for optical SFP module

#### Specifications

Optical Interface	Connector	SFP - LC
	Data rate	1.25G
	Bit Error Rate	Less than 10 <sup>-11</sup>
	Fiber	MM 62.2/125µm, 50/125µm SM 9/125µm
	Distance	MM 2km. SM 15/30/50/80/120km WDM 20/40/60/80km
	Wavelength	1310, 1550nm
Electrical Interface	Console, SNMP	RJ45
	Ethernet	4x RJ45
	Alarm	RJ45

<b>Standards</b>	E1:ITU-T, T1:ITU-T, AT&T, ANSI, Ethernet: IEEE802.3x
<b>Indications</b>	PWR, Alarm, Phone, ACO, Port, Channels
<b>Power Input</b>	AC module IN : AC100 ~ 240V, Out : DC 12V DC module IN : DC 18 ~ 60V, Out : DC 12V
<b>Power Consumption</b>	< 25W
<b>Dimensions</b>	250 x 438 x 43mm (D x W x H)
<b>Weight</b>	3.58 kg
<b>Temperature</b>	0 ~ 50°C (Operating), 0 ~ 70°C (Storage)
<b>Humidity</b>	10 ~ 90% non-condensing
<b>Certification</b>	CE, FCC
<b>MTBF</b>	50,000 hrs

#### Application

