

AN-FM-480-4GETH-SNMP: 16E1+4GE PDH Fiber Multiplexer



Overview

AD-net AN-FM-960-4GETH-SNMP is the point-to-point optical transmission mux developed on the basis of VLSI. The mux provides 1~16*E1 interface, 1~4*10/100/1000M Ethernet interface (Wire Speed 1000M) and 2 expansion interfaces. 4* Ethernet interface is switch interface, can support VLAN. It is very flexible, equipped with alarm function. The mux is reliable and stable, in small size and with low power consumption and high integration.

Features

- Based on self - copyright IC
- The Fiber bandwidth is up to 1.5G, Ethernet bandwidth is Wire Speed 1000M
- Ethernet interface rate is 10/100/1000M, half/full duplex Auto-Negotiation
- 4*Ethernet interface is switch interface, support VLAN(optional), can set to 4 logical isolation channels
- Console manage interface (RS232)(optional)
- Two fiber interface 1+1 protect (APS) function (optional)
- E1 interface complies with G.703, adopts digital clock recovery and smooth phase-lock technology
- Standard 2 wire telephone (non-telephone handles) set as engineering order-wire hotline(optional)
- When losing optical signal, it can detect whether the remote device is power off or fiber is disconnected, and indicates alarm by LED
- The local device can view the remote device working condition
- Support remote interface Loop Back, support local E1 Loop Back function, support E1 LOS and AIS alarm ,ease line maintenance
- The transmission distance is up to 2~100Km without interruption.
- Support SNMP manager (SNMP agent inside)(optional)
- Power supply option: AC 220V, DC-48V, DC24V
- DC-48V/DC24V power supply polarity detection function, Polarity-Free



Parameters

◆ Fiber

Optical port: 1, 2
 Optical Fiber: Single/Dual fiber
 Fiber interface: FC/SC/ST/LC(SFP)
 Wavelength: 850nm/1310nm Multimode; 1310nm/1550nm Single mode
 Relay-free transmission distance: 20~120Km
 Typical transmit power:
 Single mode1310/1550nm: ≥-9dB
 Multimode850nm: -18dBm
 Multimode1310nm: -25dBm
 Receive sensitivity range: -28dBm~- 40dBm
 Physical Interface: RJ45 Support Auto-MDIX

◆ E1 Interface

Interface Standard: comply with protocol G.703;
 Interface Rate: 2048Kbps±50ppm;
 Interface Code: HDB3;
 E1 Impedance: 75Ω (unbalance), 120Ω (balance);
 Jitter tolerance: In accord with protocol G.742 and G.823
 Allowed Attenuation: 0~6dBm

◆ Ethernet interface(10/100/1000M)

Interface rate: 10/100/1000 Mbps, half/full duplex auto-negotiation
 Interface Standard: Compatible with IEEE 802.3, IEEE 802.1Q (VLAN)
 MAC Address Capability: 4096
 Connector: RJ45, support Auto-MDIX

◆ Working environment

Working temperature: -10°C ~ 50°C
 Working Humidity: 5%~95 % (no condensation)
 Storage temperature: -40°C ~ 80°C
 Storage Humidity: 5%~95 % (no condensation)

Specifications

Model	Model Number: AN-FM-480-4GETH-SNMP
Functional Description	16E1+4GE PDH ,19"inch 1U, Optional (hotline telephone, Console+SNMP, 1+1 fiber back up for optional)
Port Description	1+1 optical port, 16 E1 interfaces (75/120 ohms), 4 GE interfaces, 1*RS232 Console interface, 1*SNMP Ethernet interface, one engineering order-wire telephone interface
Power	Power supply: AC100V ~ 240V ; DC -48V ; DC +24V Power consumption: ≤10W
Dimension	Product Size: 19 inch 1U 483X138X45mm(WXD _X H)
Weight	3KG

Application

