

Managed 4E1+4*100M PDH Mux TSM-120NET-M

Introduction:

Telesystem PDH MUX series support 1~16 E1 plus 100/1000M Ethernet over one multi-mode or single-mode optical fiber. For high speed and secure of telecommunication, we developed multi-service series, can be customized gigabit Ethernet, series data (rs232-422-485), EM2/4wire audio, hot-line service, snmp, console, telnet. 1u or 4/6u rack. These fiber optic transmitter and fiber optic receiver are typical used in point to point applications with Access control system, communication center interconnect, Intelligent transportation system(ITS), Highway and Free data transmission.

Product Overview:

TSM-120NET-M is the company developed the PDH optical fiber transmission on the basis of special-purpose VLSI development point to point optical transmission device. It provides 1-4Channel E1 interface, 1-4Channel 10M/100M Ethernet interface (Line Speed 100M) and 2 expansion interface. 4Channel Ethernet interface is switch interface, can support VLAN. 1 expansion interface can be used as the transmission channel of RS232/RS485/RS422 asynchronous data, voice signal, 2/4 line E&M audio signal, switch signal, Ethernet signal (Bandwidth 2M). It is very flexible to management with snmp, console, telnet and alarm function. The work is reliable, stable, and low power consumption, high integration, small size, easy of installation and maintenance

Equipment Show:



Front Panel



Model 1 :Back Panel(75ohm BNC interface)



Model 2 : Back Panel(120ohm RJ45)

Technical Parameters:

◆ **Fiber**

Multi-mode Fiber

50/125um, 62.5/125um,
 Maximum transmission distance: 5KM@62.5/125um single mode fiber, attenuation (3dbm/km)
 Wave Length: 820nm
 Transmitting power: -12dBm (Min) ~-9dBm (Max)
 Receiver sensitivity: -28dBm (Min)
 Link budget: 16dBm

Single-mode Fiber

8/125um, 9/125um
 Maximum transmission distance: 120Km
 Transmission distance: 120KM@9/125um single mode fiber, attenuation (0.35dbm/km)
 Wave Length: 1310nm
 Transmitting power: -9dBm (Min) ~-8dBm (Max)
 Receiver sensitivity: -27dBm (Min)
 Link budget: 18dBm

◆ **E1 Interface**

Interface Standard: comply with protocol G.703;
 Interface Rate: n*64Kbps±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 (10/100M)**

Interface rate: 10/100 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

◆ **Power**

Power supply: AC180V ~ 260V ; DC -48V ; DC +24V

Power consumption: ≤10W

◆ **Dimension**

19 inch 1U : 483 (width) X138 (depth) X44 (height) mm

Net weight : 2.3KG

◆ **Working environment**

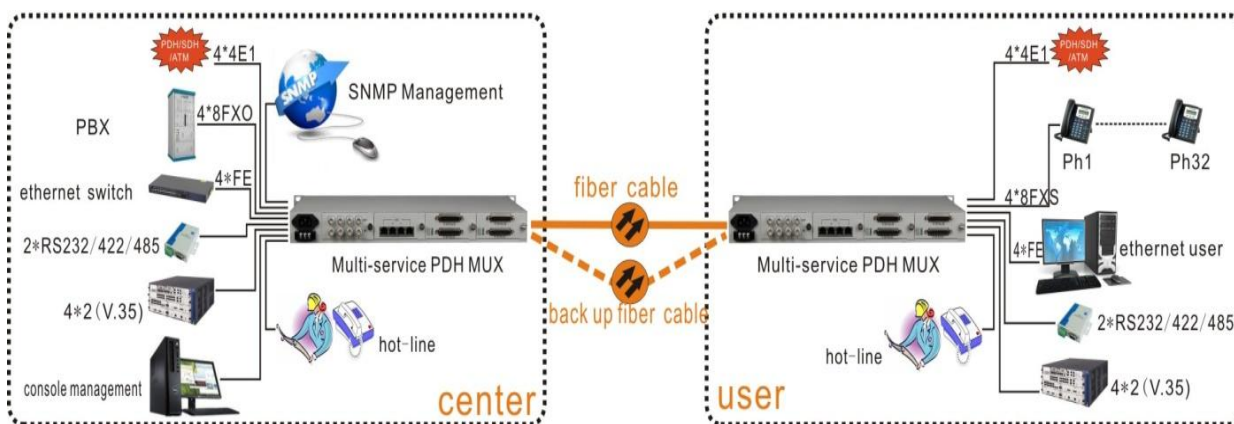
Working temperature: -10°C ~ 50°C

Working Humidity: 5%~95 % (no condensation)

Storage temperature: -40°C ~ 80°C

Storage Humidity: 5%~95 % (no condensation)

Networking Application:

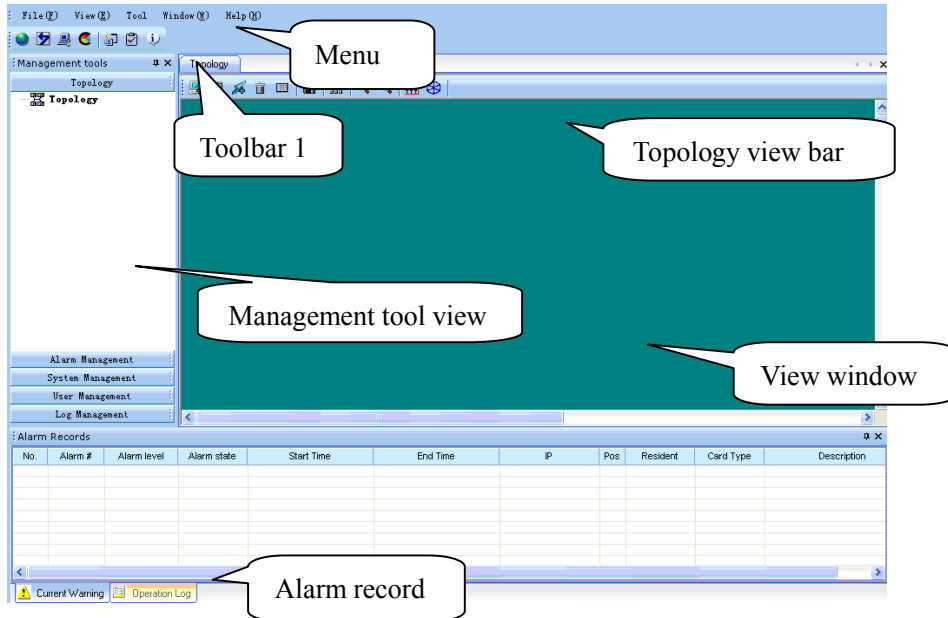


Management:

SNMP

Snmp management is configured with snmp card and server software. In the local we can managed the remote site by snmp interface.

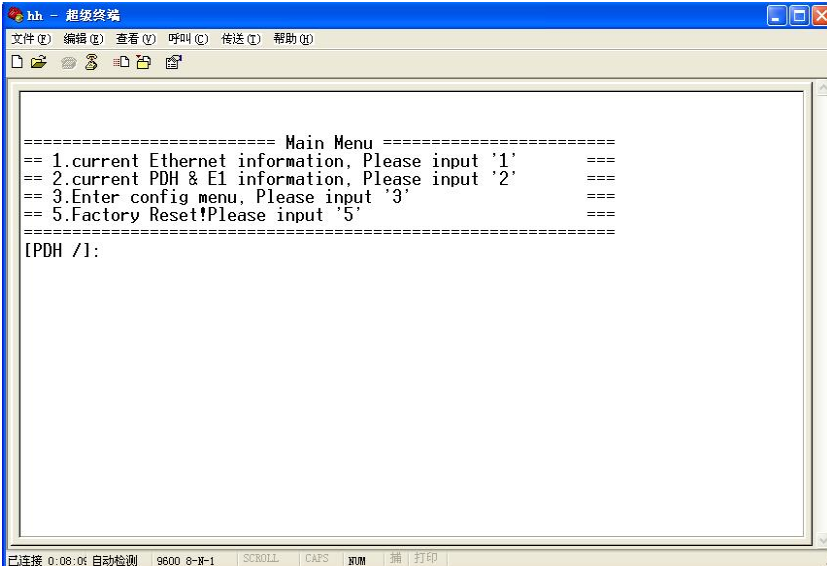
SNMP INTERFACE



Console

Console port is the local management. Interface type is rj45.it showing as follows:

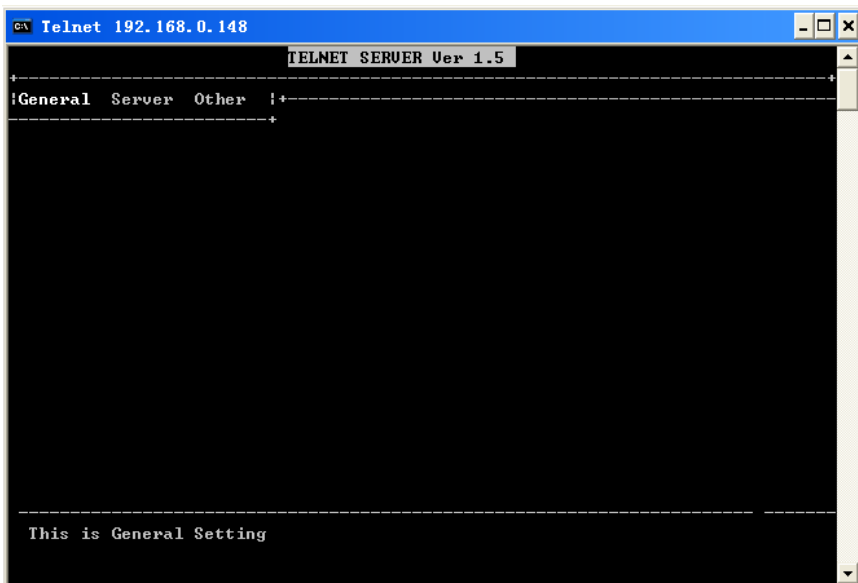




```
hh - 超级终端
文件(F) 编辑(E) 查看(V) 呼叫(C) 传送(T) 帮助(H)
[Icons]
===== Main Menu =====
== 1.current Ethernet information, Please input '1' ==
== 2.current PDH & E1 information, Please input '2' ==
== 3.Enter config menu, Please input '3' ==
== 5.Factory Reset!Please input '5' ==
[PDH /1:
```

Telnet

Telnet main service for remote logins.



```
GA Telnet 192.168.0.148
TELNET SERVER User 1.5
+-----+
|General Server Other |+-----+
+-----+
This is General Setting
```