

1. Overview

Multi-service Multiplexer can multiplex E1 (Up to 16E1) and Ethernet (2*10/100Mbps) signals in one fiber channel to transmit. It is widely used in voice and data application field.

2. Port Specification

OPTIC PORT

- Bit rate: 150Mb/s+/-50ppm
- Wavelength: 1310nm/1550nm
- Output power: -11 to -4dBm
- Sensitivity: better than -36dBm
- Connector: FC/SC/ST
- Redundant backup optical port optional
- Auto Laser shutdown (ALS) Optional

Ethernet Port

- Compatible with IEEE802.3, IEEE802.3u
- Speed: 10/100Mbps
- Full/Half duplex auto negotiating
- Connectors: RJ-45
- MDI/MDI-x auto negotiating
- Ethernet port: 2 ports

Power

- AC/DC options

E1 PORT

- Data rate: 2048Kbps
- Code type: HDB3
- Compliant with G.703, G.704
- Impedance: 75Ω(Unbalanced), 120ohm (Balanced) optional
- Connector: BNC(75Ω), RJ45(120ohm)
- Jitter: Compliant with ITU-T G.742 and G.823
- Unframed mode
- Numbers: 4/8/16 optional

Data Port

- RS232/RS485 Protocol
- For RS232, Bit rate: 4.8Kbps-115.2Kbps
- Connector: DB9, male, check table1 for the definition

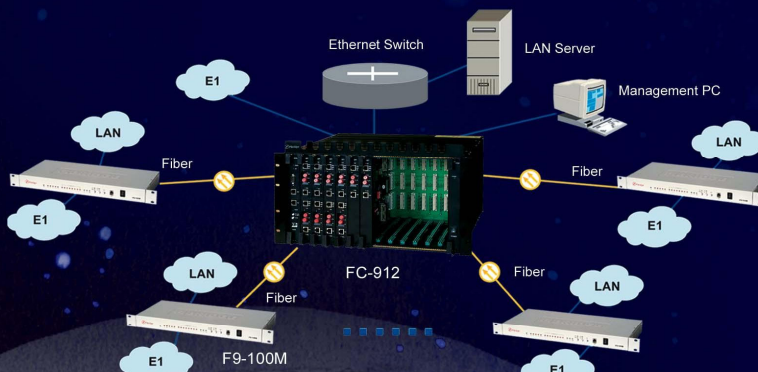
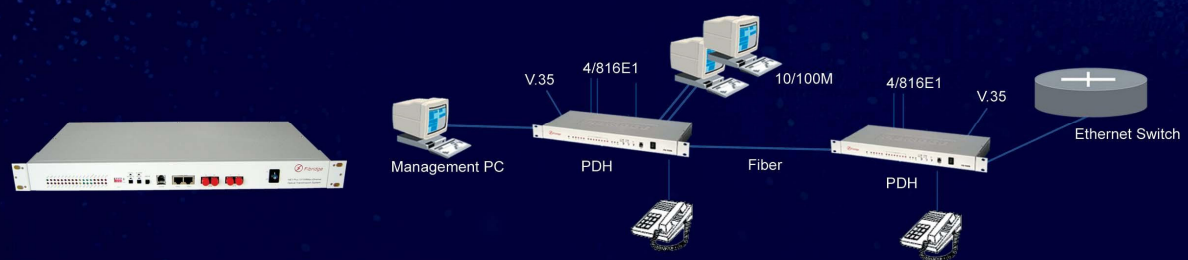
3. Order Information

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|--------------|---------------------------------------|
| ▪ F9-120-04F | 4E1 SM 1310NM 40KM FC, AC or DC, DATA |
| ▪ F9-240-04F | 8E1 SM 1310NM 40KM FC |
| ▪ F9-480-04F | 16E1 SM 1310NM/1550NM 40KM FC |
| ▪ F9-120-08F | 4E1 SM 1310NM 80KM FC |
| ▪ F9-240-08F | 8E1 SM 1310NM 80KM FC |
| ▪ F9-480-08F | 16E1 SM 1310NM 80KM FC |

1E1/4E1/8E1/16E1 PDH with Ethernet & V.35 Fiber Optical Multiplexer

1+1 optical redundant, ALS function, CWDM and single-strand optional, SNMP-based management

1E1/4E1/8E1/16E1 PDH with Ethernet & V.35 & RS232/RS485 Fiber Optical Multiplexer Optical redundant, ALS function



Features

- Providing 4/8/16 E1 channels and 2 Ethernet channels. V.35 channel is optional (occupy the 1st E1 channel).
- Fiber port bit rate: 150Mbps, up to 80Km distance without repeater.
- Double Optical ports optional for redundant backup, auto-alternative.
- With special optical module, the device can support ALS (Automatic Laser Shutdown) function.

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Quality Link Connections

