

Frame E1 / V.35 / Ethernet Fiber Modem MODEL: FOM-V.35



Overview:

FE1/V.35/ETH fiber modem is to modulate framing to single or multi-mode fiber. Suit for transmit additional management data channel in different fibers. The fiber for transmit data can be used to monitor and control local and remote devices, and no collision will occur. Their data transmission rate ranges from 64kbps to 2,048kbps, their fiber wavelength is suitable for transmitting in band management channel in different fiber line, and can let the same fiber line of transmitting data be used for monitoring and controlling the local or remote devices without interference. V.35/FE1/ETH fiber modem can be used as a local device and connect with E1/V.35/ETH Fiber modem.

Features

- Adopt high reliability and low consumption ASIC chip
- Full testing and monitoring abilities for easy operation and maintenance
- Provide various power supply options (AC 220V, DC -48V, DC +24V).
- Provide SC or FC fiber interface and various fiber power budget option for short or long haul purpose.
- Special two row indicator (upper row indicate local, and lower row indicate remote)
- Based on self-copyright IC, and software content is high
- Realize random time-slot choice, compose $N \times 64K$ ($N=1 \sim 32$) channel.
- Provide 3 type loop functions: local (ANA), loop to remote (DIG), command loop (REM).
- PBRs code testing function, convenient for install and test devices.
- Remote rate adjustment to remote device (in primary clock status) when local terminal is in primary clock status.
- FE1 Fiber Modem can use with V.35 Fiber Modem or Ethernet Fiber Modem, that can save a G.703/V.35/Ethernet converter.
- Network management use SNMP or RS485, can monitor all local and remote devices throuht (IP MAN) Ethernet

Specifications

Items	Technical Specifications			
Model	FOM-FE1	FOM-V.35	FOM-ETH	
E1 interface	Rate: 2.048Mbit/sw±50ppm Code: HDB3 E1 interface: 75ohm (unbalance) and 120ohm (balance) Interface character: match G.703 Connector: BNC(75ohm), RJ45(120ohm) Jitter tolerance: fine than G.742 and G.823 Clock: Synchronize input E1 signal			
V.35 Interface	Transmission velocity: N×64Kbps (N=1~32) Electric characteristics: According ITU-T V.35 Connector: DB25 Connector way: DCE or DTE Clock way: V.35 master clock and V.35 slave clock			
FE interface	Standard: IEEE802.3/u 10Base-T and 10/100Base-TX/FX Support: 802.3x full-duplex flow control Link Loss link: alarm functions MAC address form: Can learn 4096 types of MAC address Total Memory Sizes: 64Mbits SDRAM Physical interface: RJ45,support auto-MDIX			
Optical Interfaces	Connector	SC or FC		
	Optical Spec	Item	Output (dBm)	Sensitivity (dBm)
		1310nm (standard)	-5 ~ -12	≤-36
		1310nm (long haul, optional)	0 ~ -5	≤-36
		1550nm (DFB, long haul, optional)	0 ~ -5	≤-36
Bi-directional single fiber (Optional)		-8 ~ -14 (Tx: 1550nm) 0 ~ -5 (Tx: 1310nm)	≤-30	
Power supply	AC: ~220V (165V ~ 265V) DC: -48V (-38V ~ -63V) DC: +24V (12V ~ 36V)			
	Power consumption	≤3W		
Dimension	FOM-FE1, FOM-V.35, FOM-ETH 212(L) x 138(W) x 30(H)mm			
Working environment	Temperature		0~50°C	
	Humidity		≤90% (non-condensing)	

Application

E1 Network ←---→ FE1 Fiber Modem ←-Fiber-→ V.35 Fiber Modem ←---→ V.35 Router
 E1 Network ←---→ FE1 Fiber Modem ←-Fiber-→ Ethernet Fiber Modem ←---→ Ethernet Router
 V.35 Router ←---→ V.35 Fiber Modem ←-Fiber-→ Ethernet Fiber Modem ←---→ Ethernet Router
 Point to point application

Information Order

FOM-FE1/XYZ	E1 N*64K (N=1~32) Fiber Modem
FOM-V.35/XYZ	V.35 N*64K (N=1~32) Fiber Modem
FOM-ETH/XYZ	Ethernet N*64K (N=1~32) Fiber Modem
X=	SC, FC option
Y=	20KM, 40Km, 60KM, 80KM, 120KM
Z=	AC220V (165V ~ 265V) DC48V (-38V ~ -63V) DC24V (12V ~ 36V)

Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: Sales@zhtelecomm.com Website: www.zhtelecomm.com Tel: +86-01081593787 Fax: +86-01081593789