

CuteLink Fiber Modem

1. *CL-FOM100 FE1 Fiber Modem*
2. *CL-FOM101 Ethernet Fiber Modem*
3. *CL-FOM104 4Ports Ethernet Fiber Modem*
4. *CL-FOM135 V.35 Fiber Modem*

CuteLink FE1 Fiber Modem

CL-FOM100

Product Overview



CL-FOM100 Fiber Modem can modulate G.703 E1 signal to single-mode or multimode fiber which extend the transmitting distance of E1 signal greatly. E1 signal support framed and unframed mode. When in framed mode, continuous or discontinuous time-slot can be selected. E1 fiber modem and V.35 fiber modem can be used together. Both of them are widely used in extending user interface in ATM or DDN. Standalone and Rack mount module are both available.

Device Feature

- Developed from the integrated circuit with our own property right.
- E1 interface supports two kinds of impedance: 120 ohm balanced and 75 ohm unbalanced.
- Select timeslot randomly to combine data transmission channel at rate up to $N*64K$ ($N=1$ to 32)
- Offer three loop functions: loop back to local port, loop back to remote port and ordering the remote port to loop back.
- Completed pseudo-random code testing function makes installing and adjusting more easily.
- Have master and slave clocks. When the local setting is slave clock, it can adjust the rate of the remote clock

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP

Optic interface:

Line mode type: 1B1C

Line mode rate: 2.048Mbps

Operating wavelength: 850nm, 1310nm or 1550nm

Optic fiber connector: SC/PC

Applicable optic fiber: multi-mode, single-mode

Transmission distance: Single-mode: up to 120km Multi-mode: up to 2km

E1 interface:

Standard: ITU-T G.703, G.704

Frame structure: framing CCS (PCM31) / CAS (PCM30)

Rate: N*64Kbps (N=1~31) or 2.048Mbps

Impedance: 75Ω, physical interface BNC、120Ω, physical interface RJ45

Code: HDB3

Receiving level: 0~-43db

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output、
-36V~-72V DC input, 5V/2A output

Other Specification:

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

CuteLink ETH Fiber Modem

CL-FOM101

Product Overview

CL-FOM101 Ethernet Fiber Modem can modulate Ethernet signal to single-mode or multimode fiber which extend the transmitting distance of E1 signal greatly. The Ethernet bandwidth can be extend to $N*64K(N=1\sim32)$. When in framed mode, continuous or discontinuous time-slot can be selected. Ethernet fiber modem ,E1 fiber modem and V.35 fiber modem can be used together. Both of them are widely used in extending user interface in ATM or DDN. Standalone and Rack mount module are both available.



Device Feature

1. Developed from the integrated circuit with our own property right.
2. Select timeslot randomly to combine data transmission channel at rate up to $N*64K(N=1$ to 32)
3. Offer three timepieces: master, external, slave.
4. Offer three loop functions: loop back to local port, loop back to remote port and ordering the remote port to loop back.
5. Have rich online monitor and acousto-optic alarming function.
6. Have two statuses: master and slave. When in the slave, it can adjust the rate of the remote abutting port.
7. Completed pseudo-random code testing function makes installing and adjusting more easily.
8. Support SNMP.

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, IEEE802.3, SNMP

Optic interface:

Line mode type: 1B1C

Line mode rate: 2.048Mbps

Operating wavelength: 850nm, 1310nm or 1550nm

Optic fiber connector: SC/PC

Applicable optic fiber: multi-mode, single-mode

Transmission distance: Single-mode: up to 120km Multi-mode: up to 2km

Ethernet interface:

Data Rate: 10/100Mbps auto-negotiation

Standard: Compatible with IEEE802.3

Type of connector: RJ-45

Full duplex auto-negotiation

Structure:

Standalone: 140mm (depth) x 210mm (width) x 42mm (height)

Rack mount: 19" 4U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output 、

-36V~-72V DC input, 5V/2A output

Rack mount: 150V~260V AC input, 5V/16A 、 12V/1A output

-38V~-58V DC input, 5V/16A 、 12V/1A output

Other Specification:

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

CL-FOM104

Product Overview

CL-FOM104 4*Ethernet Fiber Modem can modulate Ethernet signal to single-mode or multimode fiber which extend the transmitting distance of E1 signal greatly. The Ethernet bandwidth can be extend to $N*64K(N=1\sim32)$. When in framed mode, continuous or discontinuous time-slot can be selected. Ethernet fiber modem ,E1 fiber modem and V.35 fiber modem can be used together. Both of them are widely used in extending user interface in ATM or DDN. Standalone and Rack mount module are both available.



Device Feature

1. Developed from the integrated circuit with our own property right.
2. Select timeslot randomly to combine data transmission channel at rate up to $N*64K(N=1$ to 32)
3. Offer three timepieces: master, external, slave.
4. Offer three loop functions: loop back to local port, loop back to remote port and ordering the remote port to loop back.
5. Have rich online monitor and acousto-optic alarming function.
6. Have two statuses: master and slave. When in the slave, it can adjust the rate of the remote abutting port.
7. Completed pseudo-random code testing function makes installing and adjusting more easily.
8. Support SNMP.

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, IEEE802.3, SNMP

Optic interface:

Line mode type: 1B1C

Line mode rate: 2.048Mbps

Operating wavelength: 850nm, 1310nm or 1550nm

Optic fiber connector: SC/PC

Applicable optic fiber: multi-mode, single-mode

Transmission distance: Single-mode: up to 120km Multi-mode: up to 2km

Ethernet interface:

Data Rate: 10/100Mbps auto-negotiation

Standard: Compatible with IEEE802.3

Type of connector: RJ-45 4Ports

Full duplex auto-negotiation

Structure:

Standalone: 140mm (depth) x 210mm (width) x 42mm(height)

Rack mount: 19" 4U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output ,
-36V~-72V DC input, 5V/2A output

Rack mount: 150V~260V AC input, 5V/16A 、 12V/1A output
-38V~-58V DC input, 5V/16A 、 12V/1A output

Other Specification:

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

CuteLink V.35 Fiber Modem

CL-FOM135

Product Overview



CL-FOM135 Fiber Modem can modulate V.35 signal to single-mode or multimode fiber which extend the transmitting distance of E1 signal greatly. E1 signal support framed and unframed mode. When in framed mode, continuous or discontinuous time-slot can be selected. E1 fiber modem and V.35 fiber modem can be used together. Both of them are widely used in extending user interface in ATM or DDN. Standalone and Rack mount module are both available.

Device Feature

- Developed from the integrated circuit with our own property right.
- Select timeslot randomly to combine data transmission channel at rate up to $N*64K$ ($N=1$ to 32)
- Offer three timepieces: master, external, slave.
- Offer three loop functions: loop back to local port, loop back to remote port and ordering the remote port to loop back.
- Have rich online monitor and acousto-optic alarming function.
- Have two statuses: master and slave. When in the slave, it can adjust the rate of the remote abutting port.
- Completed pseudo-random code testing function makes installing and adjusting more easily.
- Support SNMP.

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP

Optic interface:

Line mode type: 1B1C

Line mode rate: 2.048Mbps

Operating wavelength: 850nm, 1310nm or 1550nm

Optic fiber connector: SC/PC

Applicable optic fiber: multi-mode, single-mode

Transmission distance: Single-mode: up to 120km Multi-mode: up to 2km

V.35 interface:

Data rate: $N \times 64\text{Kbps}$ ($N=1\sim 32$)

Available with CTS/RTS (Hardware) flow control function

Type of connector: M34 connector

Operating mode: DCE

Structure:

Standalone: 140mm (depth) x 210mm (width) x 42mm (height)

Rack mount: 19" 4U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output 、
-36V~-72V DC input, 5V/2A output

Rack mount: 150V~260V AC input, 5V/16A 、12V/1A output
-38V~-58V DC input, 5V/16A 、12V/1A output

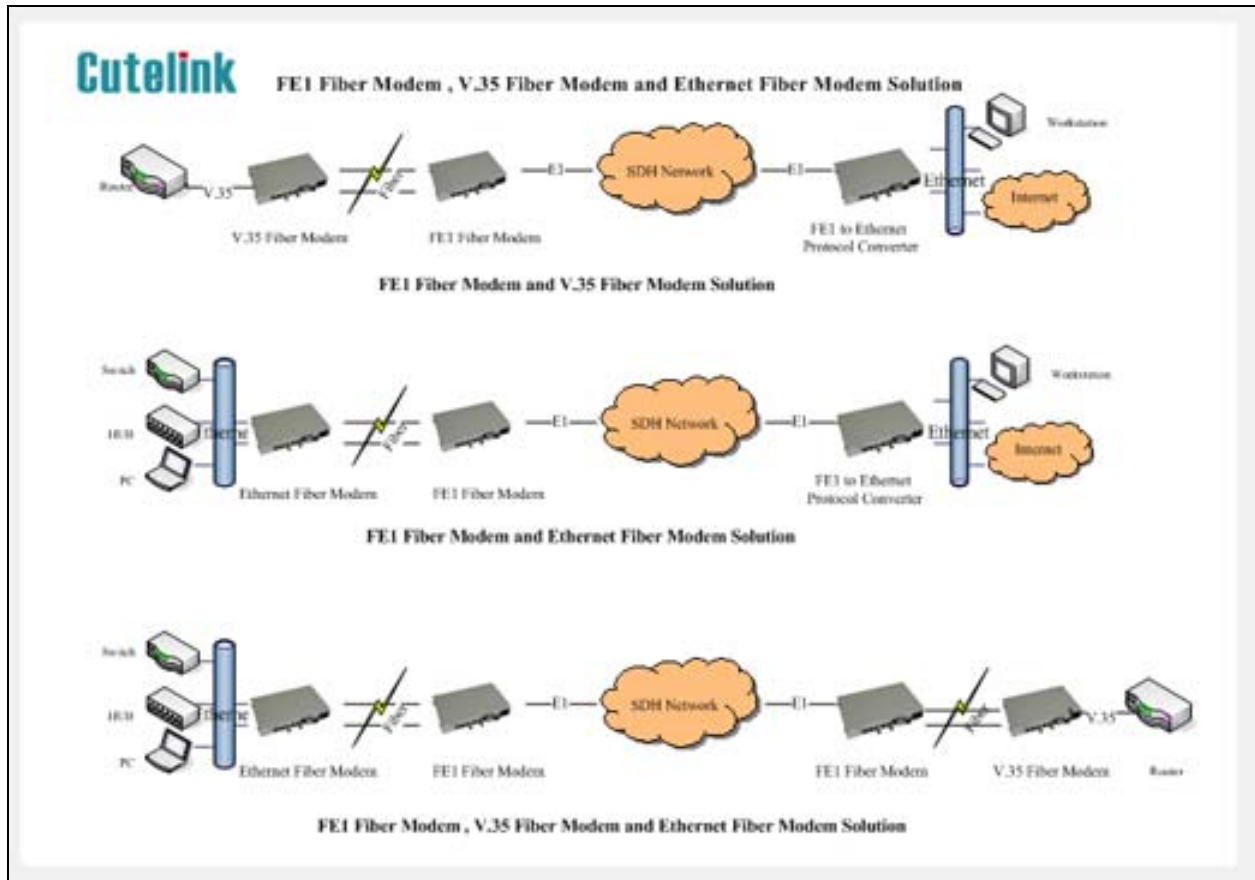
Other Specification:

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

Application



Model

Model	Description
CL -FOM100	FE1 Fiber Modem, N*64K(Framed) or 2Mb(Unframed),AC+DC
CL- FOM101	Ethernet Fiber Modem, AC+DC
CL- FOM104	4Ports Ethernet Fiber Modem, AC+DC
CL-FOM135	V.35 Fiber Modem, AC+DC