

i-Net Networks Fiber Optic Multiplexor



Description

The fiber optic multiplexor enable cost-effective, efficient transport of multiple tributaries and ethernet over fiber optic links. Coarse Wavelength Division Multiplexing (CWDM) is a proven and cost-effective solution for increasing fiber capacity in Enterprise, Utility and Service Provider networks.

Feature

- Completely digital fiber transmission
- Zero configuration and user friendly design
- Zero interference in analog channels, picture and range
- Four step filtering
- Full speed Asynchronous data channel
- Self-adapt in PAL, NTSC, SECAM standards
- Available in wall mount, 19" rack mount and plug in-card

Technical

Video:

Input/output impedance: BNC 75Ω unbalance interface
 Input/output voltage: peak 1Vp-p, max 1.5Vp-p
 Signal: PAL/NTSC/SECAM
 Video bandwidth: 8MHz
 Video number wide: 8/10/12 bit
 Differential gain/phase: <1% / <0.6°
 Slope: <0.5%
 Luminance delay inequality: 10ns
 Luminance gain gap: ±10%
 Weighted noise ratio: 66dB

Ethernet:

Physical interface: shielding RJ-45
 support IEEE 802.3/802.3u/802.1q VLAN
 IEEE 802.3x full duplex & back-Pressure half duplex flow control

Environment:

Work temperature: 0°C~+55°C
 storage temperature: -20°C~+70°C
 humidity: 5% to 90% (non-condensing)
 input voltage :220V AC, 48V DC, 24V DC, 12V DC, 5V DC
 power: 5W (single terminal)
 size : 482.6 x 260 x 25.4mm (variable)

Asynchronous: (support 1~4 line asynchronous data)

Physical interface: industry standard terminal lead

Full duplex/half duplex

Interface type: RS-232/485/422

RS232 rate 0-115.2Kbps

RS-422/485 rate: 0-115.2Kbps

RS-422/485 transmit distance: 0-1200m

RS-422/485 agreement support RS-485/422 agreement

Error rate: <10⁻⁹

Optical Fiber:

Physical interface: SC, ST, FC

Fiber type: singlemode and multimode

Transmit distance: multimode up to 2km, singlemode up to 100km

Audio:

supports 1 line optional and bidirectional audio

Audio input/output: impedance 600 ohm balance/unbalance interface, industry standard terminal lead.

Audio input/output level: 2Vp-p

Frequency response:10Hz-20KHZ

Audio channel width: 24 bit

Weighted noise ratio: 80db

Total Harmonic Distortion :0.1%

Ordering

MX-AH-S16V1D i-Net Networks Fiber Optic Multiplexor AHD 16-Ch 75Ω BNC+RS485 Singlemode Simplex FC 20km Tx/Rx 1U AC

MX-DV-1000ZMT/R i-Net Networks Fiber Optic Multiplexor 1-Ch Video Simplex Multimode FC 2km Tx/Rx DC 5v

MX-DV-1000ZW/T/R i-Net Networks Fiber Optic Multiplexor 1-Ch Video Simplex Singlemode FC 20km Tx/Rx DC 5v

MX-DV-1010ZDWT/R i-Net Networks Fiber Optic Multiplexor 1-Ch Video, 1xRS485 Simplex Singlemode FC 20km Tx/Rx DC 5v

AH AH-AHD, AN-Analog, DV-Digital

The number & type of video, audio and asynchronous channels to be multiplexed over Fiber Optic need to specified to determine part no.