

Transmitter: FO-61DT(XX)

Receiver: FO-61DR(XX)



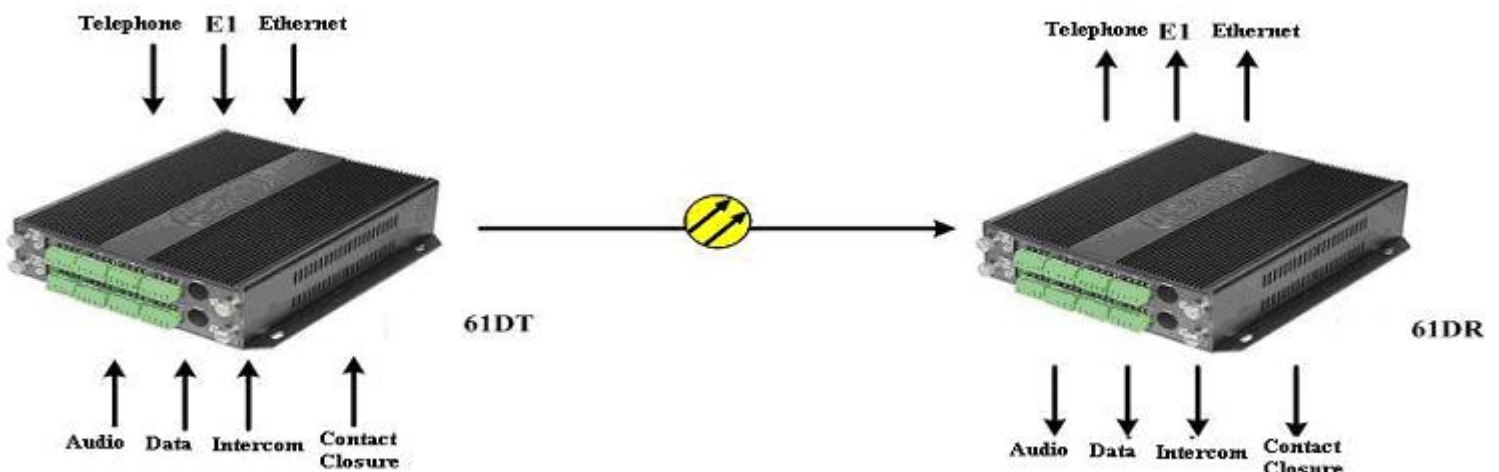
FO-61D series can transmit multi-channel duplex audio or multi-channel duplex data or multi-channel contact closure signal or the combination of audio or data or contact closure over one fiber; and it can provide option of 1 to 4 10M/100M Ethernet, 1 to 4 E1, 1 to 8 channel telephone, 1 to 8 channel Intercom signal



Features

- The signal quality is independent of transmission distance in the allowable extent of optical power
- 4 To 8 five interface with option of pin terminal in any combination
- DC to 256kbps
- Telephone channel can be up to 64 line
- Distance option of up to 120KM is possible
- Super optical dynamic range, 0Km is not saturated
- Supported by TEK network management system
- No restriction in principle about Audio / data / contact closure channel
- High-speed optical fiber digital transmission technology
- RS232, RS422, RS485 or Manchester data
- 24- bit digital audio, 75dB SNR
- Power supply, fiber link, data state indication
- Surface mount technology (SMT)
- Rack-mount/stand-alone/19" 1Urack mount enclosure

Typical Applications



Specifications

Audio

Frequency Response	50Hz - 20kHz
Audio SNR	≥75dB
Audio coding	24 BIT digital audio
Sample resolution	48k

Data

Data type	RS232,RS422,RS485, Manchester
Baud rate	0-115.2 kbps
Bit error rate	10 ⁻⁹
Optional Signals	Contact Closure, E1, Telephone, AIPHONE

Ethernet

Standard	IEEE802.3
Data rate	10M/100M adaptive

Environment

MTBF	>100,000 hours
Operating temperature	-30°C to 74°C
Storage temperature	-40°C to 85°C
Humidity	0~95% non-condensing

Connector

Optical	FC / ST / SC
Data	Terminal Block
Power	4-pin Self-lock Interface

Electrical and Mechanical

Power	Standalone :+5.5VDC Rack mount: from FO18 chassis
Dimensions	Standalone: 182x201 x48mm
Weight	Standalone: 1.3KG Rack mount: 0.6KG
No. of rack slots	2
LED Indicators	Power, Fiber link, Video, Data.

Optical Power Budget

Fiber type	Transceiver Type	Receiver Type	Optical Power Budget (dB)	Transmission Distance (km)
Multi-mode	FO9211DT(XX)-2KM-FC-M-A	FO9211DR(XX)-2KM-FC-M-A	11	2
Single mode	FO9211DT(XX)-20KM-FC-S-A	FO9211DR(XX)-20KM-FC-S-A	10	20
Single mode	FO9211DT(XX)-40KM-FC-S-A	FO9211DR(XX)-40KM-FC-S-A	15	40
Single mode	FO9211DT(XX)-60KM-FC-S-A	FO9211DR(XX)-60KM-FC-S-A	21	60
Single mode	FO9211DT(XX)-80KM-FC-S-A	FO9211DR(XX)-80KM-FC-S-A	29	80