

QUAD T1/E1 Fiber Extender

DCE/QuadFiber-T/E SERIES



The DCE/QuadFiber-T/E is a 1U half 19" stand-alone or rack mountable T1/E1 Extender featuring a point-to-point multiplexer for 4*E1 or 4*T1 (selectable) transmissions over a single fiber optic link. Its half-rack format makes it ideal for low cost multiplexing applications that require up to 4-channel. All channels provide completely transparent transmission of E1 or T1 regardless of frame mode, clock source or timeslot assignment. Available in either AC or DC models, the AC supplies operate from 100~240VAC while DC supplies operate from 18~72VDC. A wide range of transceiver selection provides fiber connection with SC, FC or ST type connectors in multimode or single mode and at distance from 2 to 120km as well as BiDi (single fiber) at distances of 20, 40, 60, or 80km. Additional options include "Order Wire" phone connection (FXS port) and a SNMP management.

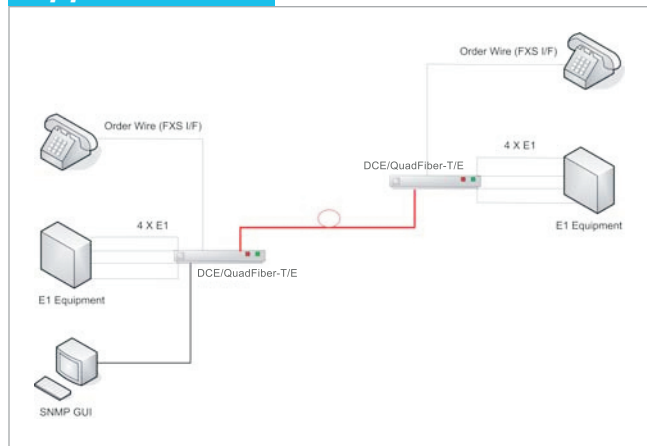
Features

- 1U stand-alone unit
- Channel service setting and remote loop-back setting via front panel DIP switch or serial console
- Far End Fault (FEF) on fiber link, selectable
- On-line Bit Error Rate monitor feature with four error-rate classes
- Dual color LEDs indicators
- Optional dedicated Order Wire phone port (FXS, RJ-11 port)
- Console port and one alarm relay
- Optional SNMP management, Telnet, and Web Based local and remote configuration
- System BER ≤ 10⁻¹¹

Specifications

Ports	Connector : 1x9 (SC, ST, FC)
Optical Interface :	Data rate : 38Mbps
	Bit Error Rate : Less than 10 ⁻¹¹
	Cable type : MM 62.2/125µm, 50/125µm. SM 9/125µm
Distance:	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km
	Wavelength : 1310, 1550nm
Electrical Interface :	Console : RS232 (DB9F) Async
	SNMP : RJ45
	Order wire : RJ11
	E1 : BNC 75 Ω, RJ45 120 Ω T1 RJ45 100 Ω, 100 metersΩ
Standard	E1:ITU-T, T1:ITU-T, AT&T, ANSI
LEDs	PWR, Alarm, Far End /Near End Error, System failure, E1/T1 status
Power	AC : 100 ~240V
	DC24 : 18 ~ 36V, DC48 : 36 ~ 72V
Power Consumption	< 20W
Dimensions (D x W x H)mm	235 x 195 x 45mm
Weight	850g
Temperature	0~50°C (Operating) ,0~70°C (Storage)
Humidity	10~90% non-condensing
Certification	CE, FCC, RoHS
MTBF	57350 hours

Application



Ordering Information

Master Unit	Connector Type	Transceiver Type
DCE/QuadFiber-T/E-AC	SC	MM: 2km
DCE/QuadFiber-T/E-DC	ST	SM: 15/30/50/80/120km
	FC	WDM: 20/40/60/80km