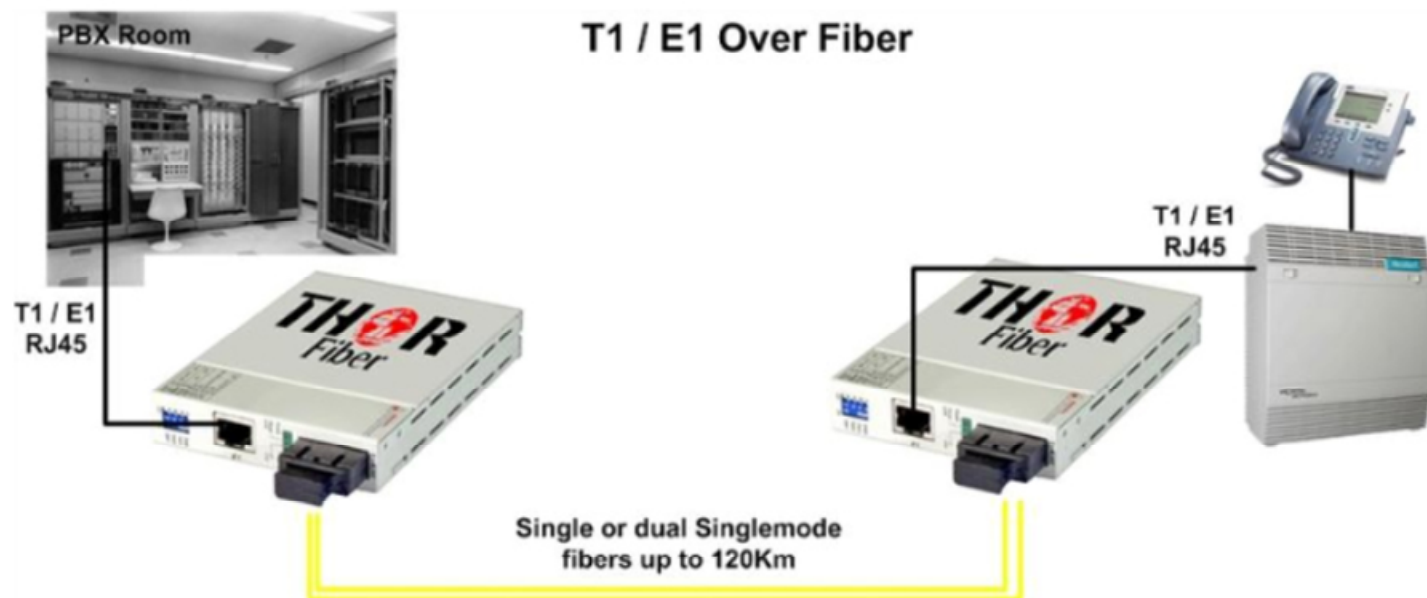


Data Sheet: F-E1T1

The F-E1T1 fiber converters allow extension of a single T1 or E1 RJ45 / RJ48c 100ohms port over multi-mode or single-mode fiber. The standard interface for fiber optics is the SC/APC connector. T1 interface can be framed or unframed. The fiber converter is totally transparent to the T1 signal. Applications include extension of smart-jacks over fiber, PBX interconnection or T1/E1 transport. T1/E1 fiber modems provide synchronous, full duplex, half duplex, or simplex data transmission at 1.544 Mbps (T1) and 2.048 Mbps (E1), at distances up to 120 km with fully transparent operation. This product supports ANSI T1.403, AT&T TR54016 and AT&T TR62411 T1 standards, and CCITT G.703, G.824, G.955 E1 standards. Several different configurations are offered to accommodate a wide variety of fiber optic needs.



Typical F-E1T1 Application



Technical Specifications

Optical Features:

Operating Wavelength	850nm, 1310nm, 1550nm CWDM
Receiver Sensitivity	-30 dBm
Transmitter Power	-3 dBm
Optical Connector	SC/APC

T1/E1 Interface

Protocol	AMI or B8ZS (synchronous)
Data Rate	1.544 Mbps(T1) / 2.048Mbps(E1)
Operation	Full Duplex, Simplex
Error Rate	Better than 10^{-12}
Data Connector	RJ45/RJ48 w/ DCE/DTE
Digital Interface	F240x(T1) ANSI T1.403 TR54016 F241x(E1) G.703, G.824, G.955

General Features:

Power Supply	+12 V
Power Consumption	4.0 W
Operating Temp:	-20 – 65 (°C)
Storage Temp:	-40 – 85 (°C)
Operating Humidity:	0 – 90 (%)
Storage Humidity:	0 – 90 (%)
Dimensions:	130mmX106mmX33mm