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Find the *TC Communications TC1000* at our website: *Click HERE*

“Pocket Rocket” RS-232 Async Fiber Optic Modem

Model TC1000

- Async Data Rates up to 19.2 Kbps
- DTE/DCE Switchable
- “Active” Diagnostic LED
- Can be Signal Powered
- Multimode or Single Mode (850/1300/1550nm)
- Sturdy Compact Metal Case



Pocket Rocket modems are designed for local and campus networks up to distances of approximately 5 km multimode and 30 km single mode. Distances can vary depending on the size and type of fiber optic cable, number of connections and type of fiber optic connectivity device(s) used in a given network.

The TC1000 is low in price and high in reliability. It is plug compatible with RS-232 interfaces and will transmit asynchronous data at speeds up to 19.2 Kbps. It supports both single mode (1300/1550nm) and multimode (850/1300nm) formats. Fiber optic connectors are ST or FC. Electrical connectors are DB25 female. It is DCE/DTE switchable.

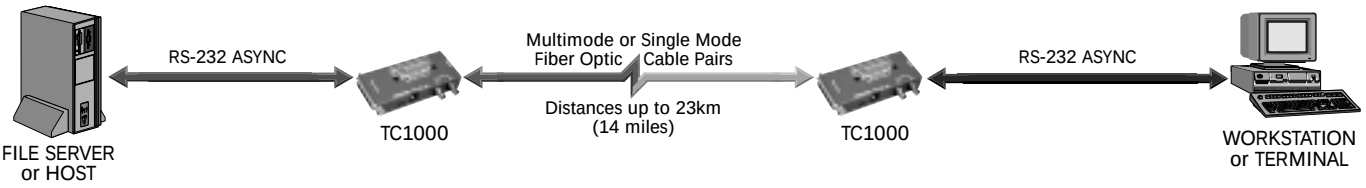
For most applications, the TC1000 derives power though any of the standard EIA control signals (pins 4, 8, 20) or positive voltage line (pin 9). An external power supply (115/230VAC) may be required when signal power is not adequate to drive the TC1000.

TC COMMUNICATIONS
FIBER OPTIC CONNECTIVITY

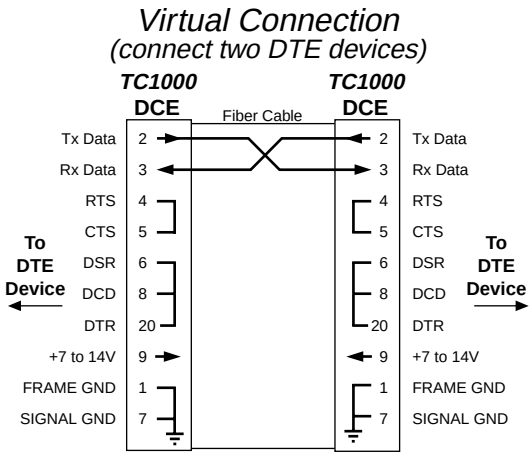
Applications

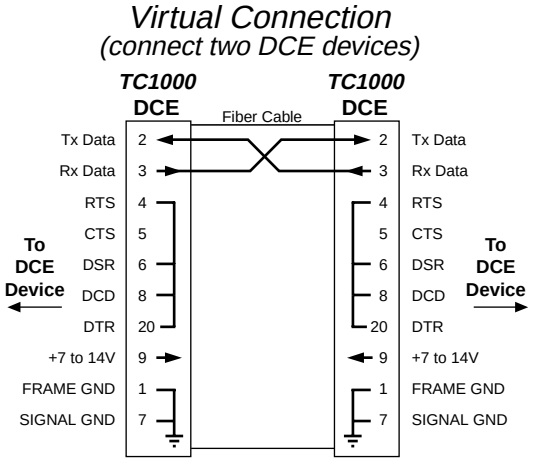
Typical applications include linking remote terminals or printers to host computers, tail circuits to existing multiplexers and extending data communications links. Fiber Optic Modems are also ideal for connecting data communications devices in harsh manufacturing or outdoor environments where EMI or RFI interference, ground loops and lightning are prevalent.

TC Communications, Inc.
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E-mail: info@tccomm.com



Typical RS-232 asynchronous application using Model TC1000





Data Rates

Async .....up to 19.2 Kbps

Optical

Transmitter.....LED/ELED
Receiver.....PIN Diode
Wavelength.....850/1300nm MM
.....1300/1550nm SM
Fiber Optic Connectors .....ST
{trademark of AT&T}; Optional FC
Loss Budget* - 850/1300/1550nm
12dB .....Multimode @62.5/125µm
12dB.....Single Mode @9/125µm

Electrical

Connector .....DB25 Female
Interface
.....(DTE/DCE Switchable) RS-232

System

Bit Error Rate.....1 in 10^9 or better

Visual Indicators

System Status LED....“Active” (Sync)

Power

Standard .....12VDC@15mA
Alt. Power (from signal source)
DB25 Pins.....4, 5, 8, 9, or 20
Optional.....115/230VAC
(with external power cube)

Temperature

Operating.....-10°C to 50°C
Hi-Temp (optional) .....-20°C to 70°C
Storage.....-40°C to 90°C
Humidity .....95% non-condensing

Physical

Height .....(2.03 cm) 0.8"
Width .....(10.41 cm) 4.1"
Depth .....(4.39 cm) 1.7"
Weight .....(137 gm) 7 oz

*Contact factory for higher requirements

TC COMMUNICATIONS
FIBER OPTIC CONNECTIVITY

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