

"Pocket Rocket" RS-232 Async or Sync w/Clock Fiber Optic Modem

Model
TC1100

- Async Data Rates up to 64 Kbps
- Sync Data Rates up to 128 Kbps
- Selectable Internal Clock or Slave Clock
- DCE Only
- Multimode or Single Mode (850/1300/1550nm)
- Multiple Troubleshooting LEDs
- 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.

Because of its versatility, the TC1100 is ideal for connecting a variety of either synchronous (internal or external clock) or asynchronous communications devices to a host computer. Featuring switch-selectable internal clock rates, it is a medium speed, low cost synchronous RS-232 fiber optic modem.

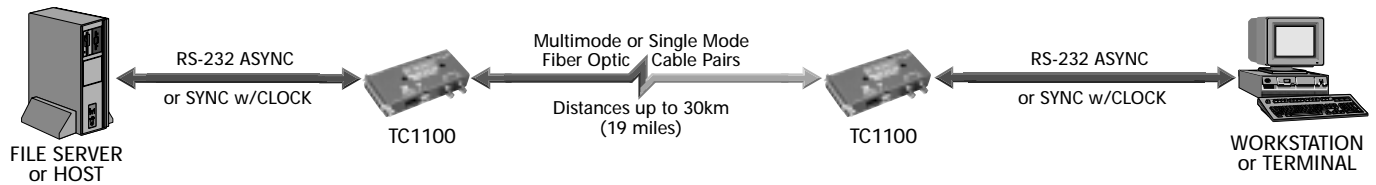
The TC1100 supports external synchronous data transmission up to 128 Kbps and all popular internal clock rates, including 2.4K, 4.8K, 9.6K, 19.2K, 38.4K, 64K and 128K. It supports asynchronous data rates up to 64 Kbps. It is available for both single mode (1300/1550nm) and multimode (850/1300nm) formats. Fiber optic connectors are ST or FC. Electrical connectors are DB25 female.



Applications

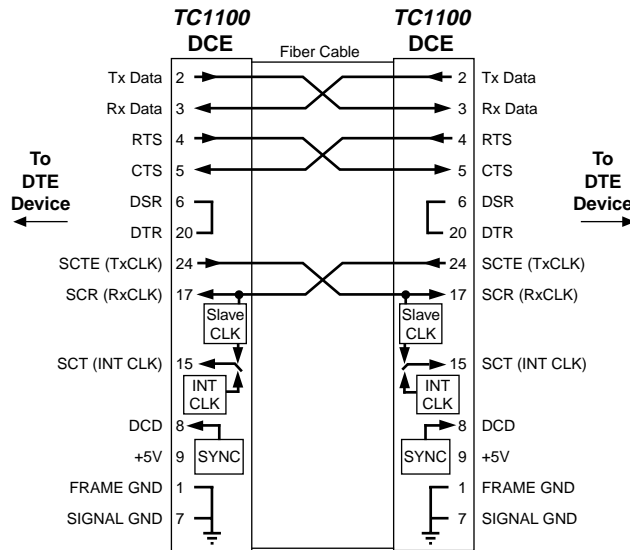
Typical applications include linking remote terminals or printers to host computers, tail circuits to existing multiplexers and extending data communications links. Fiber Optic Modems are also ideal for connecting data communications devices in harsh manufacturing or outdoor environments where EMI or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

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Typical RS-232 sync/async application using Model TC1100

RS-232 Virtual Connection
(connect two Sync/Async DTE devices)



Data Rates

- Asyncup to 64 Kbps
- Sync.....up to 128 Kbps

Internal Clock

- User-Selectable2.4K, 4.8K, 9.6K,19.2K, 38.4K, 64K, 128K

Optical

Transmitter.....LED/ELED

Receiver.....PIN Diode

Wavelength.....850/1300nm MM

.....1300/1550nm SM

Fiber Optic Connectors

.....ST, Optional FC

Loss Budget* - 850/1300/1550nm

Multimode @62.5/125µm.....15dB

Single Mode @9/125µm.....15dB

Electrical

ConnectorDB25 Female

Interface(DCE ONLY) RS-232

System

Bit Error Rate1 in 10⁹ or better

Visual Indicators

LEDsDC, RxD, TxCLK, TxD, SYNC

Power

Standard12VDC @250mA

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

Humidity95% non-condensing

Physical (Wallmount Base)

Height(2.24 cm) 0.88"

Width(10.16 cm) 4.0"

Depth(7.87 cm) 3.1"

Weight.....(101.0 gm) 3.6 oz

*Contact factory for higher requirements



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