

4 Channel RS-232 Sync-over-T1/E1 Multiplexer

TC8641-4

- 4 CH RS-232 Sync with Full Handshakes (CTS/RTS, DTR/DSR)
- Built-in Internal Clocks (TXC/RXC)
- RS-232 Status LEDs for 8 Signals: TXD/RXD, CTS/RTS, DTR/DSR, TXC/RXC
- 5U Rack Mount Chassis (TCRM19E)
- Works with TC8640-1 T1/E1 Base Card



TC8641-4 in TCRM19E 5U Chassis with TC8640-1 T1/E1 Base Card (Front)



The TC8641-4 is a 4 Channel RS-232 Sync-over-T1/E1 central directional multiplexer with built-in power redundancy. It is ideal for applications where RS-232 Sync serial data needs to be extended over a T1/E1 link.

TC8641-4 uses four DB9 female ports (Ports 1-4) for RS-232 Sync signals and each channel supports up to 28.8 Kbps.

Two different types of built-in loopbacks: local and remote, assist in isolating whether an issue lies on the serial line or the T1/E1 line.

Each unit provides TXD/RXD, CTS/RTS, DTR/DSR, and TXC/RXC LEDs for verifying signals on each serial channel, Power LEDs for verifying power inputs.

Applications

The TC8641-4 4-Channel RS-232 Sync-over-T1/E1 multiplexer provides an inexpensive method for connecting terminals such as relays, and status collecting devices. It is also used in harsh environments where EMI/RFI interference, ground loops and lightning conditions may exist.

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Serial

Standard RS-232
Ports 4
Data Rate 9.6 Kbps, 14.4 Kbps, 19.2 Kbps, 28.8 Kbps

Visual Indicators

Channel Status (each ch.).....TXC, RXC, TXD, RXD,
.....CTS, RTS, DTR, DSR
System..... PWR A, PWR B, Vcc, ALM, RMT

Electrical

ConnectorDB9F
Interface..... RS-232

System

Bit Error Rate 1 in 10⁹ or better

Alarm

Dry Contact.....Normal Open/Closed

Temperature

Operating -10°C to 50°C
Hi-Temp (optional) -20°C to 70°C
Extreme (optional) -40°C to 80°C
Storage..... -40°C to 90°C
Humidity95% non-condensing

Physical (Standalone Unit)

Height (3.53cm) 1.40"
Width (18.14cm) 7.20"
Depth (24.89cm) 9.80"
Weight (907g) 2.0lbs



TC8641-4 in TCRM19E 5U Chassis with TC8640-1 T1/E1 Base Card (Rear)



SAI GLOBAL
ISO 9001
Quality

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