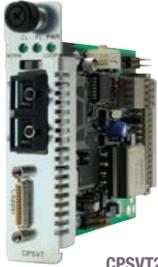


CPSVT Series

Point System™ High Speed Serial Remotely Managed Media Converter Module

V.35/X.21/RS449/RS530/RS232 Copper to Fiber



CPSVT2614-100

The CPSVT Series is a managed media converter module for high speed serial applications. The converter allows fiber cabling to be integrated into V.35, X.21, RS449, RS530, or RS232 network connections. There are multiple versions available supporting single mode or multimode fiber through SC fiber connectors. The multiple serial protocol interface is made through a universal 26-pin connector along with custom patch cable assemblies.

Features

- Connect High Speed Serial signals on copper to fiber
- Supports multiple protocols through the use of a universal 26-pin serial interface connector
- Extend the point of presence of a copper V.35/X.21/RS449/RS530/RS232 connection at data rates up to 10 Mbps.
- Supports Remote Management of a stand-alone media converter
- Copper & Fiber Loopback
- LED indications for Fiber Link, Loopback & Data
- Ability to use a combination of any copper interface (RS449 to V.35, RS530 to X.21, DTE-DTE, DTE-DCE, DCE-DCE, etc.)
- All interfaces converted at the physical level
- Synchronous or asynchronous capability
- Field Upgradeable Firmware

Manageable Features

- Report converter status to chassis management software:
 - Local Fiber Link status
 - Local/Remote Hardware/Software mode
 - Local/Remote Speed select
 - Local/Remote Loopback
 - Local/Remote Cable type reporting, near end
 - Local/Remote Clock polarity setting
- Write operation includes:
 - Local or Remote Loopback
 - Local or Remote Speed Select

Specifications

Standards	ITU-T ISO-2593
Data Rate	1.2 Kbps to 10 Mbps
Switches	Side panel, external DCE speed switch, sixteen positions: Speeds can also be set on DCE converters locally or remotely via software. Front Panel Loopback Selector Switch: Right Position: Loop Fiber Back & Loop Copper Back Left Position: Normal Operation
Jumpers	Jumper (J4): Hardware/Software mode Jumper (J6): RX Clock Polarity: Set to sample the receive data on the rising or falling edge of the receive clock Jumper (J7): TX Clock Polarity: Set to sample the transmit data on the rising or falling edge of the receive clock
Status LEDs	Smart Serial Link: Green - Link is up; Green Flashing - In loopback mode; Fiber: Green - Link is up; Green Flashing - In loopback mode; PWR (Power): Green - ON power applied to board
Dimensions	Width: 0.86" [22 mm] Depth: 5" [127 mm] Height: 3.4" [86 mm]
Power Consumption	5.0 Watts
Environment	Environment specs are dependent on the chassis chosen Operating: 0°C to 50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
Compliance	CISPR/EN55022, EN55024, EN60950 Class A, FCC Class A, CE Mark
Warranty	Lifetime

Ordering Information

CPSVT2614-100

26-pin to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

Single Fiber Products

Recommended use in pairs

CPSVT2629-100

26-pin to 1310nm TX/1550nm RX single fiber single mode (SC) [20 km/12.4 mi.]
Link Budget: 19.0 dB

CPSVT2629-101

26-pin to 1550nm TX/1310nm RX single fiber single mode (SC) [20 km/12.4 mi.]
Link Budget: 19.0 dB

Cable Assemblies

530DCE-3

DB-25 (FT) (26-pin) to (DCE) [3 m/10 ft.]

530DTE-3

DB-25 (MT) (26-pin) to (DTE) [3 m/10 ft.]

Copper Distances

Standard	Range*
RS232/V.24	15 m
RS449/V.36	1.2 km
V.35	600 m
X.21	1.2 km
RS530	1.2 km

*For reference only. Contact Transition Networks for detailed range information.