Video

Audio

32

Data

Serial Data Transmission

The OTS-32DTR provides for the digital transmission of 32 Channels of Duplex Serial Data.

System Design

All units come in an insert card version. The cards can be inserted into our 16-slot, 19" rack-mountable card cage (OT-CC-16-100) or one of our smaller Optiva™ Desktop Card Racks (OT-DTCR Series).
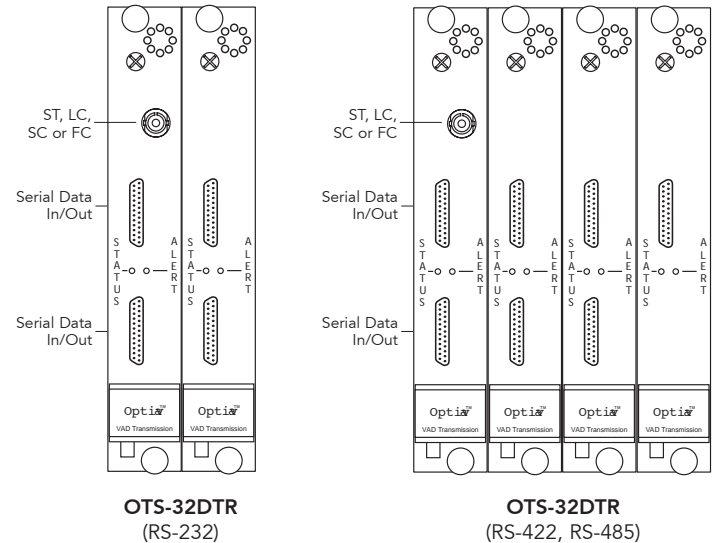
The Optiva™ Desktop Card Racks can handle one, two or four insert cards, creating compact, mountable, stand alone systems. The use of separate OT-DTCR enclosures allows for future flexibility and expansion as all cards are hot-swappable and can be used in any enclosure. Each one of our card housing units operate with an appropriate power supply. See "Accessories" for power supply specifications.

Optiva™ Upgrade Path

This system can be purchased without an optical port as an add-on to an existing Optiva™ system daisy-chain. (See "Non-Optical Version" below.)

The Optiva™ bandwidth requirement of this system is 288 Mbps.

OTS-32DTR
(RS-232)

OTS-32DTR
(RS-422, RS-485)

ST, LC, SC or FC

Serial Data In/Out

Serial Data In/Out

Features

- Uncompressed Serial Data over one fiber
- TDM - Single fiber, dual wavelength
- Compatible with MDM-7000 Series for WDM and CWDM multiplexing
- No EMI or RFI and no ground loops
- Stand alone or rack-mount

Versions Available*

Wavelength (nm) & Fiber	Transmit/Receive**	Receive/Transmit**	Optical Connector	Optical Budget (dB)	Range*** (km)	Form Factor
1310/1550 Multimode	OTS-32DTR-A2/A3M-XX-IC	OTS-32DRT-A3M/A2-XX-IC	ST, FC, LC or SC	10	3	IC (2 or 4-slots)
1310/1550 Singlemode	OTS-32DTR-A2/A3-XX-IC	OTS-32DRT-A3/A2-XX-IC	ST, FC, LC or SC	12	20	IC (2 or 4-slots)
1310/1550 SM (D)	OTS-32DTR-A2/A3D-XX-IC	OTS-32DRT-A3D/A2-XX-IC	ST, FC, LC or SC	17	40	IC (2 or 4-slots)
1310/1550 SM (H)	OTS-32DTR-A2/A3H-XX-IC	OTS-32DRT-A3H/A2-XX-IC	ST, FC, LC or SC	25	60	IC (2 or 4-slots)
1270-1610 SM (CWDM)	OTS-32DTR-L4/L4-XX-IC	OTS-32DRT-L4/L4-XX-IC	ST, FC, LC or SC	Varies	20-70	IC (2 or 4-slots)
Non-Optical Version	OTS-32DTR-NOC-IC	OTS-32DRT-NOC-IC	N/A	N/A	N/A	IC (2 or 4-slots)

Serial Data Codes - "D" indicates RS-232. For other Serial Data preferences, please use: "DJ" = RS-422; "DK" = RS-485 (2W); and "DW" = RS-485 (4W).

* Contact Opticomm for other versions available.
** XX indicates the type of optical connector. Each of ST, FC, LC or SC are available.
*** Chromatic dispersion and additional losses should be taken into account.

Data

Connector	Micro DB25

RS-232, RS-422

Data Rate	DC to 1 Mbps

RS-485 (2 Wire)

Data Rate	DC to 1 Mbps

RS-485 (4 Wire)

Data Rate	DC to 1 Mbps

Contact Closure

Data Rate	DC to 1 Mbps

General

Dimensions & Weight	Insert Card (IC): 6.3" L x 0.8" W x 4.0" H 11 oz
	Operating temperature -20° C to +55° C
Storage temperature	-40° C to +85° C
Humidity	0 to 95% non-condensing
Operating voltage	9-12 V_{DC}
Consumption	1 Amp Max per Insert Card
System Latency	Less than 1ms
Local Monitoring	LED Status Indication
Remote Monitoring	Compatible with OptivaView™
	SNMP Management Suite

- Optiva™ Configurable Communication Platform
- Network Management
- SDI & HD-SDI
- Composite Video, Audio & Data
- RGB/VGA/DVI
- Audio/FSK/Intercom
- **Data (Ethernet/Serial/USB)**
- CATV/RF & L-Band
- Optical Switching, Routing & Redundancy
- Passive Multiplexing Solutions
- Enclosures, Racks & Frames
- Power Supplies & Accessories

10 YEAR WARRANTY | ISO 9001:2000 CERTIFIED | CSA | CE | FCC PART 15 COMPLIANT

MADE IN THE USA

Sample Configuration

Laptop ↔ Data ↔ OTS-32DTR ↔ 1 Fiber ↔ OTS-32DRT ↔ Data ↔ Laptop

32 - Duplex Serial Data — **32 - Duplex Serial Data**