

Video

Audio



Serial Data Transmission

The OTS-16DTR provides for the digital transmission of 16 Channels of Duplex Serial Data.

System Design

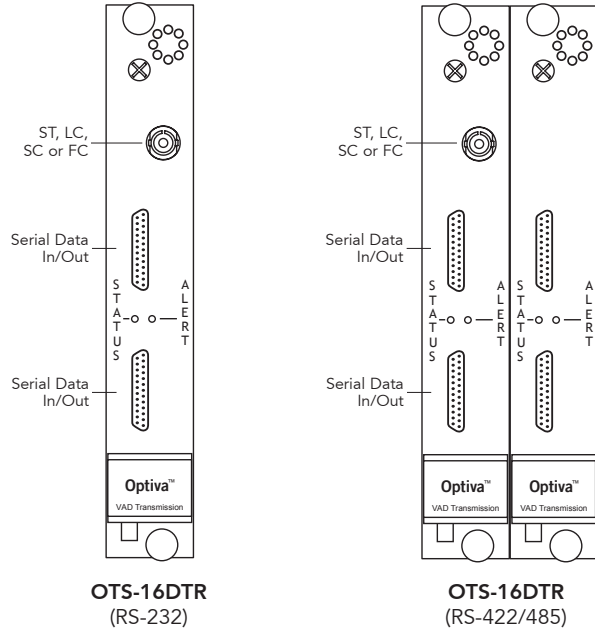
All units come in an insert card version. The cards can be inserted into our 16-slot, 19" rack-mountable card cage (CC-16-100) or one of our smaller Optiva™ Desktop Card Racks (DTCR Series).

The Desktop Card Racks can handle one, two or four insert cards, creating compact, mountable, stand alone systems. The use of separate 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 112 Mbps.



OTS-16DTR
(RS-232)

OTS-16DTR
(RS-422/485)

Features

- Uncompressed Serial Data over one fiber
- TDM - Single fiber, dual wavelength
- True DC restoration
- Flat frequency response
- 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-16DTR-A2/A3M-XX-IC	OTS-16DTR-A3M/A2-XX-IC	ST, FC, LC or SC	10	3	IC (1 or 2-slots)
1310/1550 Singlemode	OTS-16DTR-A2/A3-XX-IC	OTS-16DTR-A3/A2-XX-IC	ST, FC, LC or SC	14	20	IC (1 or 2-slots)
1310/1550 SM (D)	OTS-16DTR-A2/A3D-XX-IC	OTS-16DTR-A3D/A2-XX-IC	ST, FC, LC or SC	21	40	IC (1 or 2-slots)
1270-1610 SM (CWDM)	OTS-16DTR-L4/L4-XX-IC	OTS-16DTR-L4/L4-XX-IC	ST, FC, LC or SC	Varies	20-70	IC (1 or 2-slots)
Non-Optical Version	OTS-16DTR-NOC-IC	OTS-16DTR-NOC-IC	N/A	N/A	N/A	IC (1 or 2-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.

NOTE: The systems in this category offer transmission of certain signals in set configurations. If your application involves multi-signal transmission and/or would benefit from system upgradeability, please visit the Optiva™ Platform section on page 14. To configure an Optiva™ system to your precise needs, please register for the 'Product Configurator' at www.opticomm.com

Data (Ethernet/Serial/USB)

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	1A 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



FCC PART 15 COMPLIANT

Emissions: FCC Part 15, ICES-003, AS/NZS, 3548, EN55022
Immunity: ENVS0204, EN61000-4-2,3,4,5,6,11
Safety: UL1950, CAN/CSA 22.2, NO.950-95

MADE IN THE USA

Sample Configuration

