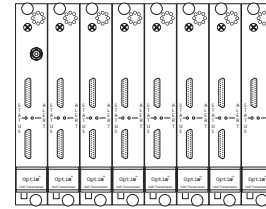


### Serial Data Transmission

The OTS-128DTR provides for the digital transmission of 128 Channels of Duplex Serial Data.



**OTS-128DTR (RS-232)**

Video

### System Design

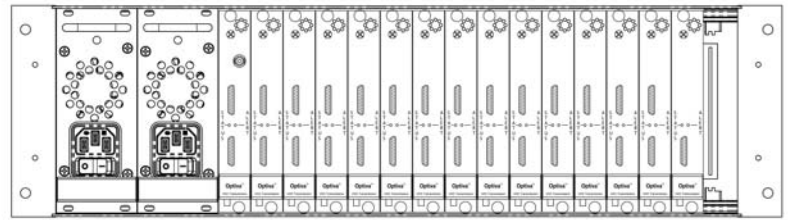
All units come in an insert card version. The cards can be inserted into our 16-slot, 19" rack-mountable card cage (OT-CC-16-10C) or one of our smaller Optiva™ Desktop Card Racks (OT-DTCR Series).

Audio



Data

The Optiva™ Desktop Card Racks can hand 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.



**OTS-128DTR (RS-422/485)**

### 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 1,152 Mbps.

### 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-128DTR-A2/A3M-XX-IC	OTS-128DTR-A3M/A2-XX-IC	ST, FC, LC or SC	10	3	IC (8 or 15 slots)
1310/1550 Singlemode	OTS-128DTR-A2/A3-XX-IC	OTS-128DTR-A3/A2-XX-IC	ST, FC, LC or SC	12	20	IC (8 or 15 slots)
1310/1550 SM (b)	OTS-128DTR-A2/A3D-XX-IC	OTS-128DTR-A3D/A2-XX-IC	ST, FC, LC or SC	17	40	IC (8 or 15 slots)
1310/1550 SM (H)	OTS-128DTR-A2/A3H-XX-IC	OTS-128DTR-A3H/A2-XX-IC	ST, FC, LC or SC	25	60	IC (8 or 15 slots)
1270-1610 SM (CWDM)	OTS-128DTR-L4/L4-XX-IC	OTS-128DTR-L4/L4-XX-IC	ST, FC, LC or SC	Varies	20-70	IC (8 or 15 slots)
<b>Non-Optical Version</b>	OTS-128DTR-NOC-IC	OTS-128DTR-NOC-IC	N/A	N/A	N/A	IC (8 or 15 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; link budget and range may be affected by bandwidth required.

# Data (Ethernet/Serial/USB)

## Data

Connector	Micro DB25
<b>RS-232, RS-422</b>	Data Rate DC to 1 Mbps
<b>RS-485 (2 Wire)</b>	Data Rate DC to 1 Mbps
<b>RS-485 (4 Wire)</b>	Data Rate DC to 1 Mbps
<b>Contact Closure</b>	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 <sub>DC</sub>	
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** **ISO**  
**YEAR** **9001:2000**  
**WARRANTY** **CERTIFIED**



**FCC** PART 15  
COMPLIANT

MADE IN THE USA

## Sample Configuration

