Digital Audio Transmission

The OTS-4DA provides for the transmission of 4 Channels of Stereo AES/EBU Digital Audio, at absolute broadcast quality.

Video

4 →

Audio

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).
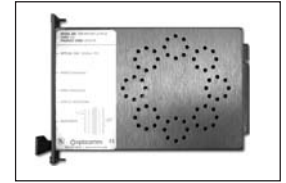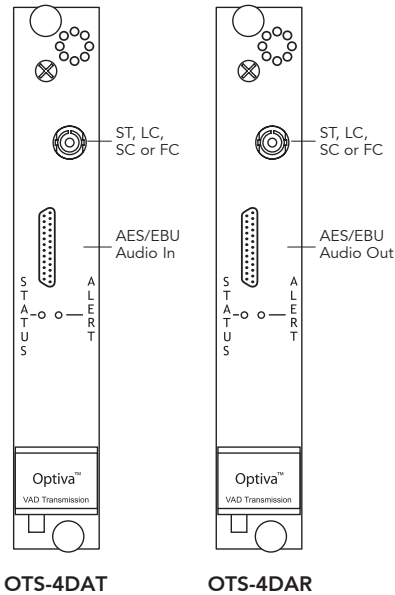
Data

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 20 Mbps.

ST, LC, SC or FC

AES/EBU Audio In

STATUS ALERT

Optiva™
VAD Transmission

OTS-4DAT

ST, LC, SC or FC

AES/EBU Audio Out

STATUS ALERT

Optiva™
VAD Transmission

OTS-4DAR

Each insert card comes with a label identifying the specific protocols handled, connector pin-out and other vital information.

For optimal bandwidth allocation, each insert card can daisy-chain with an additional card in the same chassis. **See "Optiva™ Upgrade Path".**

Features

- Stereo AES/EBU Digital Audio over one fiber
- TDM - Single Wavelength
- Compatible with MDM-7000 Series for WDM and CWDM multiplexing
- No EMI or RFI and no ground loops
- Stand alone or rack-mount
- Ideal for Professional AV applications

Versions Available*

Wavelength (nm) & Fiber	Transmit**	Receive**	Optical Connector	Optical Budget (dB)	Range*** (km)	Form Factor
1310 Multimode	OTS-4DAT-A1-XX-IC	OTS-4DAR-A1-XX-IC	ST, FC, LC or SC	10	3	IC (1-slot)
1310 Singlemode	OTS-4DAT-A2-XX-IC	OTS-4DAR-A2-XX-IC	ST, FC, LC or SC	7	10	IC (1-slot)
1310 Singlemode (D)	OTS-4DAT-A2D-XX-IC	OTS-4DAR-A2D-XX-IC	ST, FC, LC or SC	12	20	IC (1-slot)
1550 Singlemode	OTS-4DAT-A3-XX-IC	OTS-4DAR-A3-XX-IC	ST, FC, LC or SC	17	40	IC (1-slot)
1550 Singlemode (D)	OTS-4DAT-A3D-XX-IC	OTS-4DAR-A3D-XX-IC	ST, FC, LC or SC	25	60	IC (1-slot)
1270-1610 SM (CWDM)	OTS-4DAT-L4-XX-IC	OTS-4DAR-L4-XX-IC	ST, FC, LC or SC	Varies	20-70	IC (1-slot)
Non-Optical Version	OTS-4DAT-NOC-IC	OTS-4DAR-NOC-IC	N/A	N/A	N/A	IC (1-slot)

* 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.

Audio

Digital Format	AES/EBU
	AES3-1992 (ANSI S4,40)
	SMPTE 276M
Connector	Micro DB25

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 10ms

Local Monitoring

LED Status Indication

Remote Monitoring

Compatible with OptivaView™

SNMP Management Suite

10 YEAR WARRANTY

ISO 9001:2000 CERTIFIED

CSA ®   C E

FCC PART 15 COMPLIANT

MADE IN THE USA

Sample Configuration

Audio x 4
4 - AES/EBU - Stereo
OTS-4DAT
1 Fiber
OTS-4DAR
Audio x 4
4 - AES/EBU - Stereo