



The Optiva OTP-1ETR provides fiber transport connectivity for SNMP network management traffic on Optiva platforms between remote satellites and control rooms with one channel of duplex 10/100 Ethernet over fiber. It supports short or long distances with single or dual fiber cable.

With an OTP-1ETR installed at each location on the Optiva platform, operators can locally and remotely monitor and control the entire Optiva platform with the Optiva EMCOREView Management & Control Suite.

The Ethernet compliant OTP-1ETR can also support data-centric applications such as fiber Ethernet transport for the LAN/WAN data network and data feeds in satellite control rooms.



## Applications

- Network Management Connectivity for Antenna Remoting
- LAN/WAN Data Transport
- Short and Long Distance Ethernet
- Temporary Data Feeds

## Features

- Single 10/100 Ethernet Channel Over Fiber
- Supports 1310/1550 nm and CWDM Optics
- Autosensing
- Compatible with Optiva MDM-7001C Series for CWDM Multiplexing
- Hot-Swappable Insert Cards
- Compatible with All Optiva Rack-Mount and Portable Enclosures
- Supports Singlemode Fiber (up to 60 Km)
- Remote Monitoring via SNMP and Optiva EMCOREView
- 3 Year Warranty
- RoHS Compliant

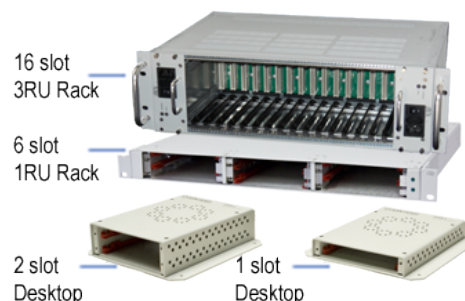
## System Design

The Optiva platform includes a wide range fiber optic transport products for satellite and microwave communications from 1 MHz to 40 GHz. These units can be used to construct transparent inter- and intra-facility links from 1 meter to >100 km for RF and microwave signal transport, antenna remoting, electronic warfare systems and other high-dynamic-range applications.



Optiva is a completely modular, hot-swappable platform. Both 19" rack-mount and compact tabletop, or wall-mountable enclosures are available. The 3 RU 19" rack-mount, fan-cooled enclosure Model OT-CC-16F can support up to 16 insert cards and utilize two dual-redundant, hot-swappable, 200 watt power supplies. The 1 RU 19" rack-mount, fan-cooled enclosure Model: OT-CC-6-1U can accommodate 6 insert cards and utilizes two hot-swappable 60 watt power supplies. Compact one-slot OT-DTCR-1, or two-slot OT-DTCR-2 enclosures are also available that use an external wall-mount power supply.

## Enclosure Options



## Optical Specifications

Optical Code Options	Fiber	Wavelength (nm)	Min. Output Power (dBm)	Rx Sensitivity (dBm)	Optical Budget (dB)	Distance (km)	Connector Options
A2/A2	2	1310	-5.5	-12.5	7	10	LC
A3/A3	2	1550	-3.5	-20.5	17	40	LC
A2/A3 <sup>1</sup>	1	1310/1550	-5.5	-17.5	12	20	SC
A3/A2 <sup>1</sup>	1	1550/1310	-5.5	-17.5	12	20	SC
L4YY/L4YY <sup>2</sup>	2	1470 to 1610 (CWDM)	-2.8	-28	25	50 to 70	LC

Note 1: Use "XX/XX" as is for ordering transmitter models but reverse for ordering receive models.  
 Note 2: When ordering CWDM optics replace "YY" with the desired channel number

## CWDM Optical Specifications

Optical Code Options "YY"	Wavelength (nm)
47	1471
49	1479
51	1511
53	1531
55	1551
57	1571
59	1591
61	1611

## Ethernet

Specifications	Values
Standard	IEEE 802.3
Data Rate	10/100 Mbps
Connector	RJ45

## General

Specifications	Values
Dimensions (Insert Card)	6.3"D x 0.8"W x 4.0"H 160.0 mm x 20.3 mm x 101.6mm
Weight	11 oz / 311.8 g
Operating Temperature	-20°C to +55°C
Storage Temperature	-40°C to +85°C
Humidity	0 to 95% non-condensing
Power Consumption	6 Watts
BER	10 <sup>-14</sup>
System Latency	< 10 ms

## Monitoring & Control

Specifications	Values
Local	Front panel LED status and alert indicators
Remote	Optiva EMCOREView Management & Control Suite*

\*Requires SNMP Controller Card (OPV-CTLR-IC)

## Connection Diagram

