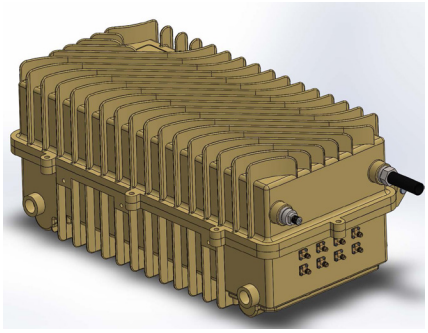
LTS-16-OD



Lightwave Transmitter System Designed for Outdoors

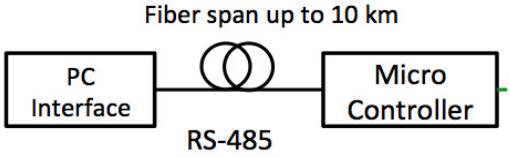
The Optilab LTS-16-OD is a ruggedized, fully integrated system designed for multiple channel RF over Fiber (RFoF) applications. This high density system provides an efficient platform for outdoor deployment environments with centralized control/monitoring. LTS-16-OD can accommodate up to 16 RFoF modules internally. A wide variety of Optilab modules can be integrated into this platform including Optilab LT (Lightwave Transmitter), MD (Modulator Driver), EDFA (Erbium-Doped Fiber Amplifier) and passive WDM devices in a variety of combinations. This outdoor model features redundant power supplies and a ruggedized weather resistant aluminum housing for remote location deployment. With the LTS management software, the system and module parameters may be controlled and monitored over optical fiber communication. Contact Optilab for more information.

Features

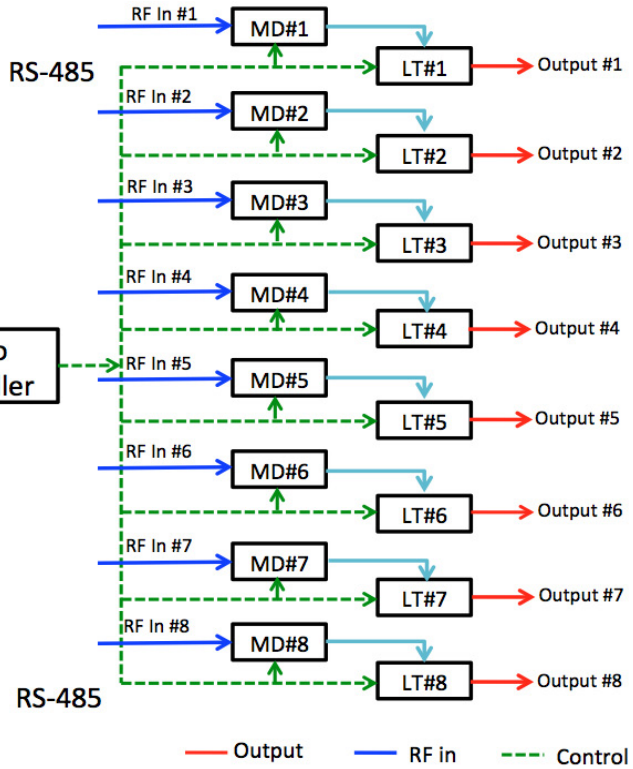
- High-capacity outdoor housing for 16 modules:
  - LT (Lightwave Transmitter)
  - MD (Modulator Driver)
  - EDFA (Erbium-Doped Fiber Amplifier)
  - Passive (Mux, splitter)
- Complete customization of RFoF system
- LTS Management software for control/ monitoring of all modules
- Weather resistant aluminum cast housing
- Remote control, RS-485 over fiber

Applications

- Multiple channel RFoF system
- Multiple wavelength RFoF link over single fiber
- Multiple satellite antenna distribution



Functional Diagram (Example)
8 x MD + 8 x LT System



Lightwave Transmitter System Designed for Outdoors

OPTIONS

LTS-16-OD

TECHNICAL INFO

For technical info and support:

sales@optilab.com

www.optilab.com

WEB ORDER

To order, please visit OEQuest.com.

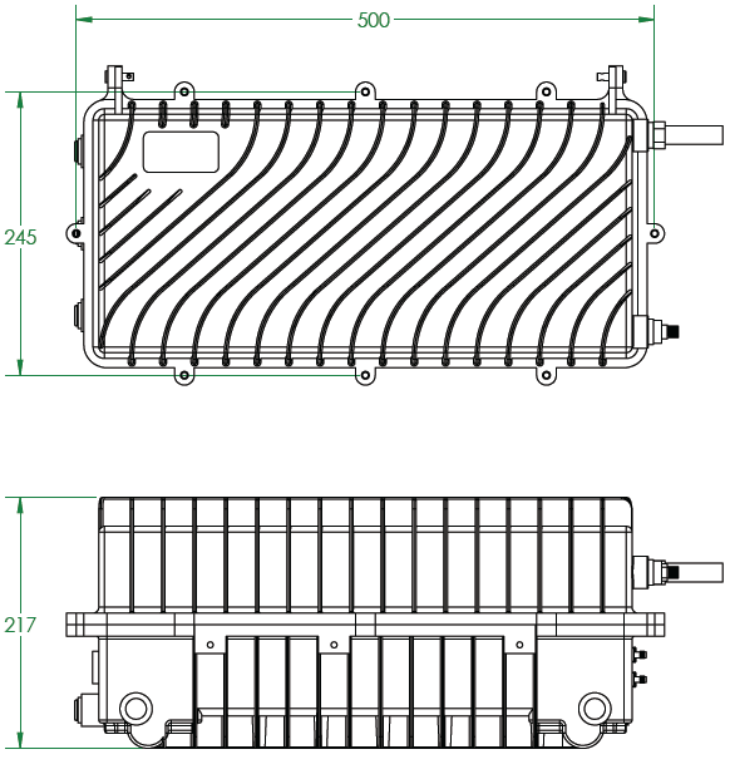
OEQuest.com

General Specifications	
Operating Temperature	-45°C to +70°C
Storage Temperature	-55°C to +85°C
Dimensions	500 mm x 245 mm x 217 mm
Weight	15 kg to 20 kg
Power Supply	Dual redundant
Power Requirement	110/240 VAC , 50-60 Hz, (2A max. optional), DC power supplies avail.
Monitoring & Control, Interface	
Local	LED for status display
Remote	Optilab LTS management software
RF Connector	K type, V type, or SMA depending upon RF requirements
Optical Connector	Armored fiber with FC/APC
Interface Connector	Armored fiber with FC/APC
Remote Control	RS-485 interface over fiber

Optilab Advantage

- Innovation
- Performance
- Quality
- Customization
- Warranty

Mechanical Drawing



Dimensions in mm

Lightwave Transmitter System Designed for Outdoors

Optilab's Modules Available for Integration with LTS-16-OD

LT Series	Descriptoin
LTB-12	12 GHz Lightwave Transmitter Board
LTB-20	20 GHz Lightwave Transmitter Board
LTB-40	40 GHz Lightwave Transmitter Board
LTB-20-LD	20 GHz Lightwave Transmitter Board, Low Drive
LTB-40-LD	40 GHz Lightwave Transmitter Board, Low Drive

* LTB can be ordered from 40 DWDM wavelengthes for single fiber link

MD Series	Descriptoin
MD-12	12 GHz Modulator Driver /RF Amplifier
MD-20	20 GHz Modulator Driver/RF Amplifier
MD-40	40 GHz Modulator Driver/RF Amplifier
MD-50	50 GHz Modulator Driver/RF Amplifier

EDFA Series	Descriptoin
EDFA-PA-M	25 dB Gain Pre-Amp EDFA Module, C-band
EDFA-18-LC-M	18 dBm EDFA Module with Low Current Consumption
EDFA-23-M	23 dBm In-Line EDFA

Passive	Descriptoin
MUX-4	4 Channel Multiplexer
MUX-16	16 Channel Multiplexer
MUX-40	40 Channel Multiplexer
SPLT-4	4 Channel Splitter
SPLT-8	8 Channel Splitter
SPLT-16	16 Channel Splitter