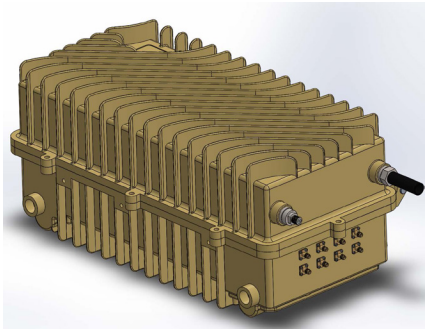
LRS-16-OD



Lightwave Receiver System Designed for Outdoors

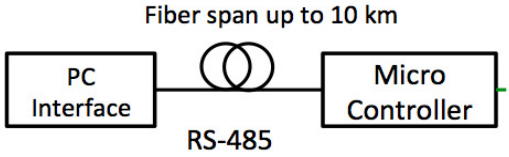
The Optilab LRS-16-OD is a ruggedized, fully integrated system designed for multiple channel RF over Fiber (RFoF) applications. This high density system provides an efficient platform for outdoor deployment environments with centralized control/monitoring. LRS-16-OD can accommodate up to 16 RFoF modules internally. A wide variety of Optilab modules can be integrated into this platform including Optilab PR (Photo Receiver), PD (Photo Detector), 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 LRS management software, the system and module parameters may be controlled and monitored over optical fiber communication. Contact Optilab for more information.

Features

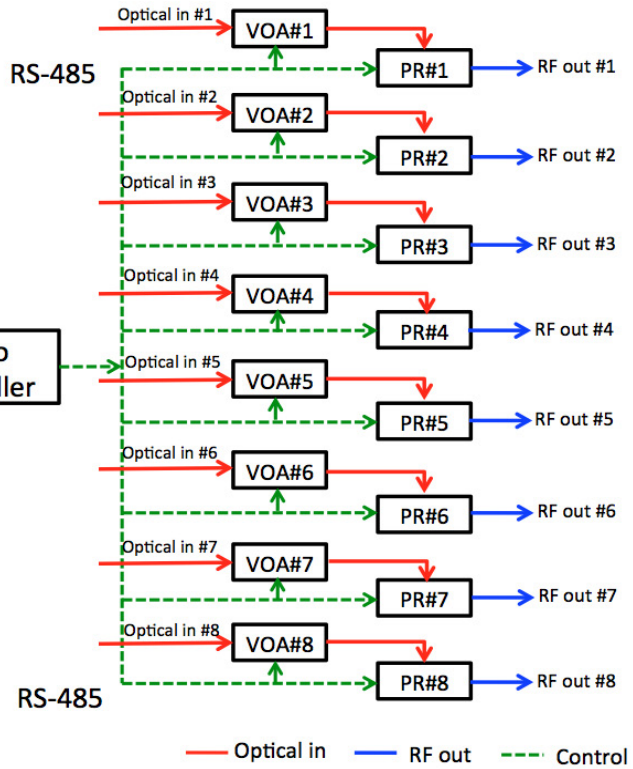
- High-capacity outdoor housing for 16 modules:
  - PR (Photo Receiver)
  - PD (Photo Detector)
  - EDFA (Erbium-Doped Fiber Amplifier)
  - Passive (Mux, splitter), VOA
- Complete customization of RFoF system
- LRS Management software for control/ monitoring of all modules
- Weather resistant aluminum 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 VOA + 8 x PR System



Lightwave Receiver System Designed for Outdoors

OPTIONS

LRS-16-OD

TECHNICAL INFO

For technical info and support:

sales@optilab.com

www.optilab.com

WEB ORDER

To order, please visit OEQuest.com.

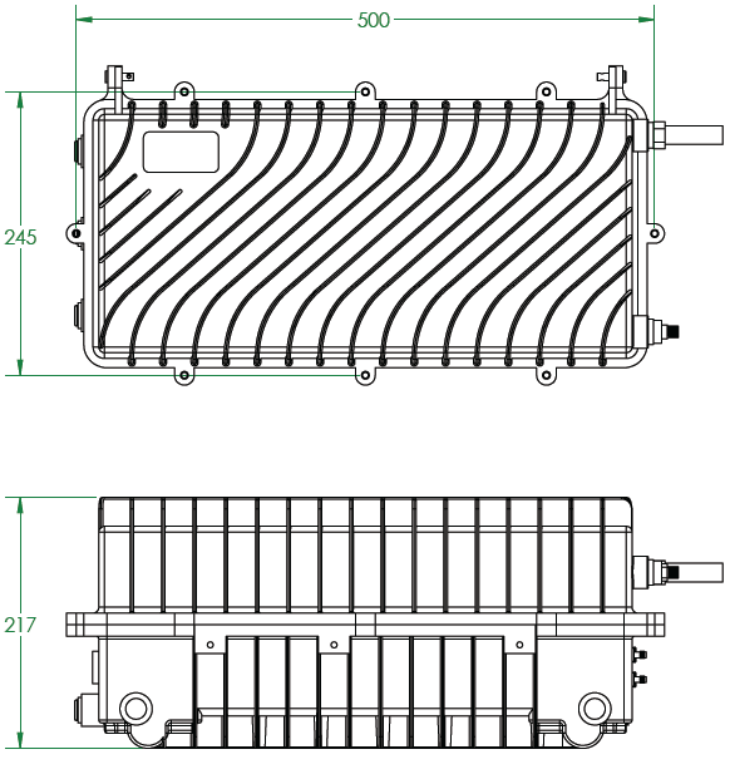
OEQuest.com

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 LRS 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 Receiver System Designed for Outdoors

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

PR Series	Description
PR-12-M	12 GHz PhotoReceiver, Module
PR-20-M	20 GHz Photo Receiver Module
PR-23-M	23 GHz Photo Receiver Module
BPR-20-M	20 GHz Balanced Photo Receiver Module
BPR-23-M	23 GHz Balanced Photo Receiver Module

MD Series	Description
PD-20-M	20 GHz Photodiode, Module
PD-30-M	30 GHz Photodiode, Module
PD-40-M	40 GHz Photodiode, Module
PD-50-M	50 GHz Photodiode, Module

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

Passive	Description
DeMUX-4	4 Channel DWDM Multiplexer, 200 GHz spacing
DeMUX-16	16 Channel DWDM Multiplexer, 200 GHz spacing
DeMUX-40	40 Channel DWDM Multiplexer, 200 GHz spacing
SPLT-4	4 Channel Splitter
SPLT-8	8 Channel Splitter
SPLT-16	16 Channel Splitter
VOA	Variable Optical Attenuator