FS

Customized OPD (AIU) Optical Power Detection

Plug-in Card Type for FMT Multi-Service Transport System
Cable Monitoring System for WDM Networks

Description

The essence of OPD is equivalent to a high-precision optical power meter, which can monitor the port power in real time and set the corresponding alarm threshold.

If the port power is abnormal, the corresponding link can be judged. However, OPD cannot monitor single channel , it monitors the total power from all channels.

OPD is an ideal choice of optical real-time monitoring system in optical fiber, cable, optical passive device loss measurements.

Features

• Wide range of monitoring
• Support online and non online collection
• Support multi-channel real-time monitoring
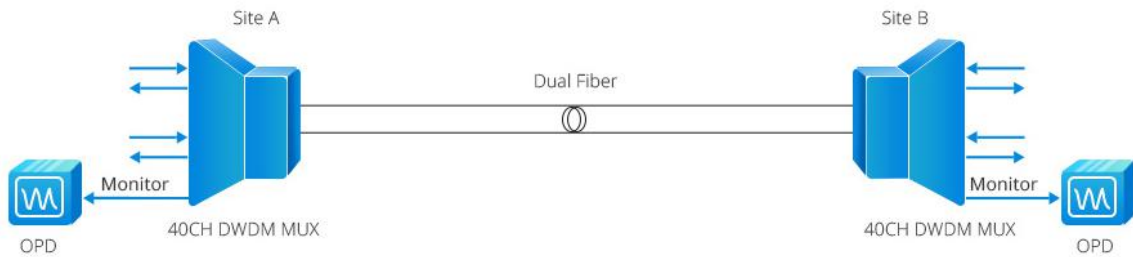• Support $1310\pm20/1550\pm20$ optical signal monitoring

Application

• Cable Monitoring and Maintaining System
• Optical fiber, cable, optical passive device loss measurement

Product Specifications

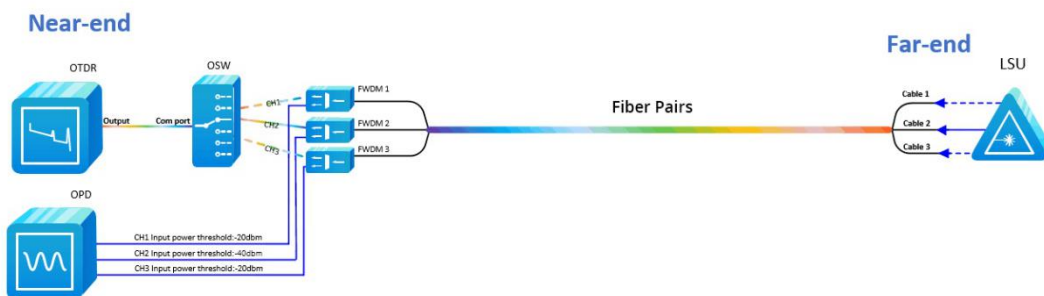|			
Operating Wavelength	1310±20/1550±20 nm	**Power Monitoring**	±0.25 dB
Power/Gain Stability	±0.1 dB	**Power Resolution**	0.01 dB
Optical Power Monitoring Scope	-50~+23dBm	**Insertion Loss (online)**	≤1dB
Connector	LC/UPC	**Power Consumption**	<2W
Crosstalk	>55dB	**Channel Optional**	4/8/16 channels
Chassis Type	1U, 2U, 4U	**Management**	Monitor Online, Simple Management Tool, Monitor Cable

Embedded OPD Modules in DWDM Networks

As the infrastructure equipment in fiber optic system, optical power detection provides both absolute and relative power monitoring to achieve the purpose of link loss measurement.

Monitor Online System for Optical Cable

FS cable monitoring system is a centralized server solution that manages your cable and fiber network status, which keep you aware of any fiber faults or degradation in your network. And the OPD, OTDR, OSW and LSU cards are highly integrated via FS management platforms.
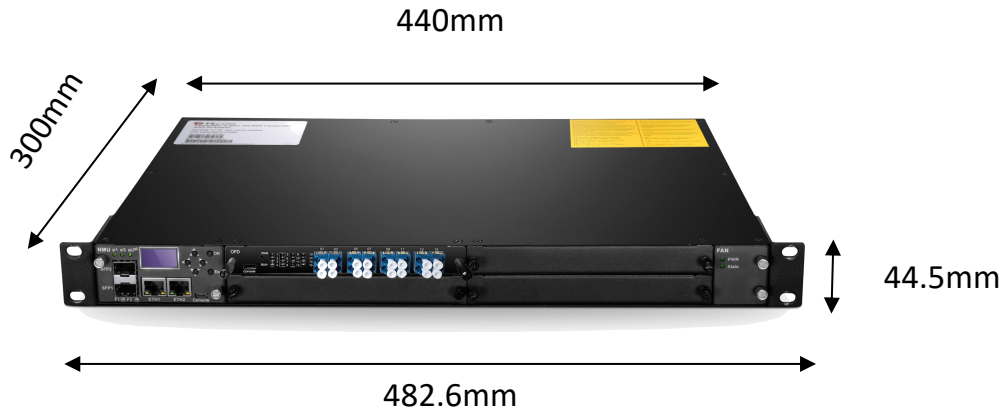
Dimensions

4-slot 1U managed chassis, supports up to 4x Multiplexer/EDFA/OEO/OLP card with accessories;

- Width: 482.6mm(19")

- Height: 44.50mm(1.75")

- Depth: 300mm(11.81")

OPD plug-in card occupies one slot.

Ordering Information (100 GHz ITU DWDM Grid)

Category	ID	Description
OPD	#70941	Customized OPD (AIU) Optical Power Detection, Pluggable Module
OSW	#73287	1x16 Multi-Channel Opto-Mechanical Optical Switches with Adjustable Channels Control, Pluggable Module
OTDR	#73281	Customized OTDR (Optical Time Domain Reflectometer), Pluggable Module
LSU	#78469	Customized LSU Light Source Unit, Pluggable Module
FWDM	#65811	Customized Filter Wavelength Division Multiplexer FTTH/FTTX 1310/1550/1490nm Fwdm Filter WDM

United Kingdom

Russia

Germany

United States

China

Singapore

Australia

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