

Optical Performance Monitoring (OPM)

Plug-in Card Type for FMT Multi-Service Transport System
OTN Solutions for Metro, Regional & Long Haul



Description

Optical performance monitor uses proprietary thin-film interference filter technology combined with a micro-actuator and high-speed electronics.

OPM is used to measure critical information data on optical transmission signals in DWDM networks for monitoring signal dynamics, determining system functionality, identifying performance change, and providing feedback for controlling network elements so as to optimize operational performance.

OPM monitors each channel within a DWDM system to understand the signal status and signal quality more clearly and intuitively, which is helpful for network maintenance and troubleshooting.

Features

- High Reliability and Repeatability
- Support up to 96ch DWDM optical signal monitoring
- Support 100Ghz/50Ghz DWDM optical signal monitoring
- Support accurate measurement of wavelength, optical power and OSNR

Application

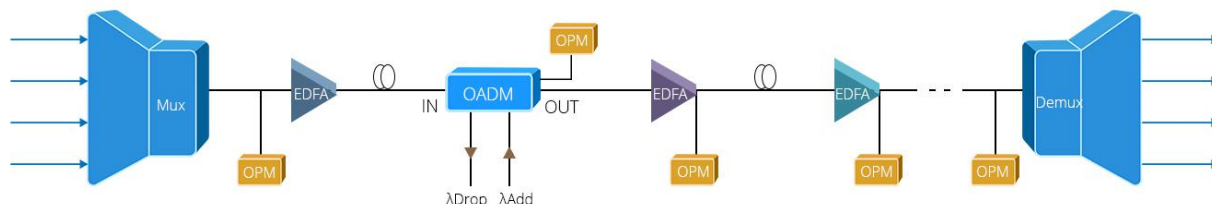
- Optical Power or OSNR Monitoring for Gain Equalization
- System Alarms or Error Warnings DWDM
- Other optical systems

Product Specifications

Wavelength Range	1528nm-1568nm	Channel Spacing	50GHZ
Wavelength Accuracy	50pm	Channel Input Power Range	-40dBm~-10dBm
Channel Power Accuracy	0.5dB	Power Repeatability	0.1dB
OSNR Accuracy	1.5dB	Response Time	< 500ms
Power Consumption	< 2W	PDL	< 0.3dB
Management	Monitor Online, Simple Management Tool, Monitor Cable		

Accurate and Lightweight Optical Performance Monitoring for DWDM systems

In order to ensure stable and reliable operation of the optical network under multi-channel and high-rate conditions, the wavelength, power and optical signal-to-noise ratio (OSNR) of each optical channel signal are monitored by OPM at key locations in the optical network.

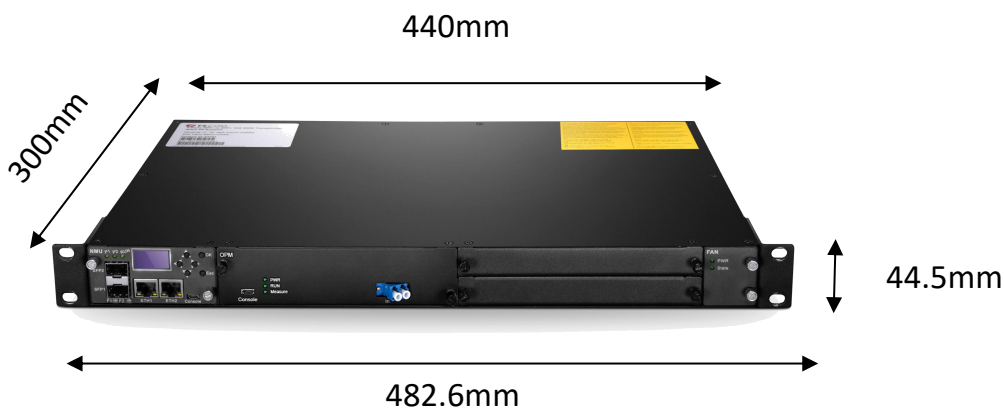


Dimensions

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")

OPM plug-in card occupies two slots.



Ordering Information

ID	Wavelength Range	OSNR Accuracy	Housing
#71586	1528nm-1568nm	1.5dB	Plug-in Card

ID	Chassis Type	Operation Temperature	Enclosure Type
#39214	1U 4 slots	-5~60° C	Rack mountable



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