



Optical Fiber Cable Automatic Monitoring System

Optical Fiber Automatic Monitoring System

■ Description

Optical Fiber Cable Automatic Monitoring System are innovative remote monitoring solution for optical fibers.

Based on the OTDR/WDM/OPM/OLP/OSW/GIS and other advance technology, this system combines the monitoring, alarm, fault analysis, fault location, line protection, fiber maintenance and management and other functions together, to provide security for the safe and efficient OAM of the optical fibers.

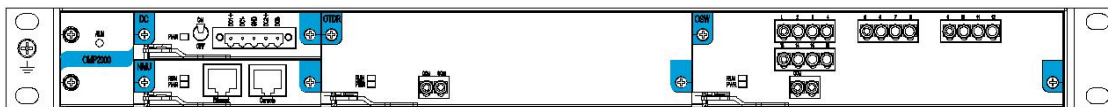
■ Features

- ▶ Support monitoring of lit fiber and dark fiber in one platform.
- ▶ Support On-demand testing, Routine testing, Fault Alarm testing monitoring function and their combinations.
- ▶ Flexible and versatile platform
 - 1U/2U/4U three types chassis.
 - OTDR/WDM/OLP/OPM/OSW/OS/Filter and other functional cards are configurable to meet different requirement.
 - All cards are support hot-pluggable for easy installation and maintenance.
- ▶ High Precision and Large Capacity Monitoring Ability
 - Up to 42dB dynamic range of high performance OTDR module.
 - High precision: up to $\pm 1.5\text{m}$ fault location accuracy.
 - Wide optical power monitoring range ($>60\text{dB}$) and high resolution (0.01dB).
 - Up to 218ch core connection capacity. (only for 4U, LC connector)
- ▶ OLP+OTDR mechanism supports carrier-class line protection switching and OTDR measurement.
- ▶ Powerful NMS with GIS platform offers friendly and intuitive GUI for network operator to efficiently operate, manage and control.
- ▶ Support Alarm message auto-pushing function by email.

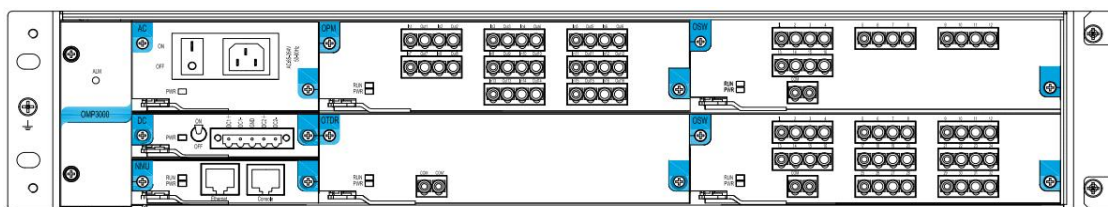
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■ Hardware

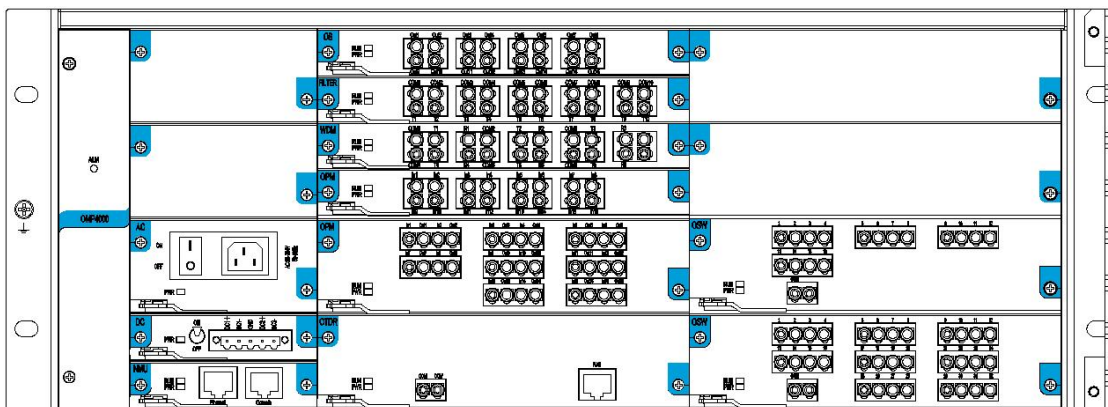
OMP2000 (1U)



OMP3000 (2U)



OMP4000 (4U)



► Optional Cards and Modules

- Optical Time Domain Reflectometer Card (OTDR)
- Optical Switch Card (OSW)
- Optical Power Monitoring Card (OPM)
- Optical Source Card (OS)
- Wavelength Division Multiplexing Card (WDM)
- Optical Line Protection Card (OLP)
- Filter Module

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■ Network Management System

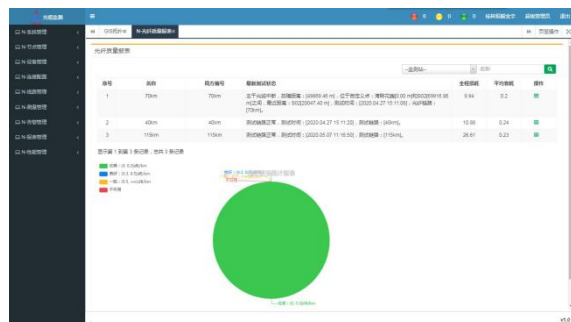
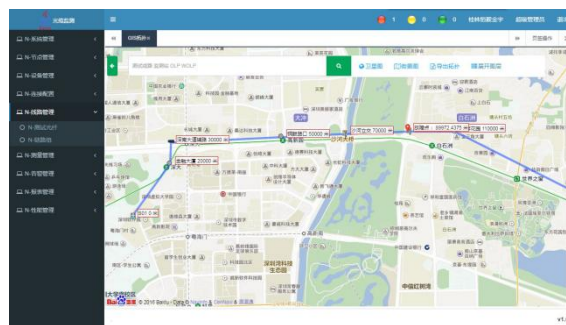
HYGJ's FACMS network management system can realize unified management and control of all OMP serials equipment.

► Features

- Support Windows OS.
- GIS platform for visualized management and location.
- Web-based access, friendly operation

► Functions

- Equipment Management
- Topology Management
- OTDR Test Management
- Alarm Management
- OLP Management
- Report Management
- System Management
- User and Security Management





桂林恒毅金宇通信技术有限公司
HYGJ Communication Technology Co., Ltd.

📍 Chengtian S&T Zone, High-tech Industry Park, Chaoyang Road,
Guilin, Guangxi, China

☎ +86-773-5864886

🌐 www.hygjoptics.com