



Fibermonitor

Intelligent Monitoring Fiber System

*High - Cost Performance Solution for monitoring
of fiber cables*

HwaCom
SYSTEMS INC.
— *Ace for Any* —



In today's fast-paced digital world, a reliable and high-speed network is the backbone of every business and organization. Fiber optic technology has revolutionized the way data is transmitted, offering unparalleled speed and reliability. To ensure your network is operating at its peak performance, you need a tool that can provide real-time insights and monitoring capabilities. That's where Fiber Monitor comes in.

What is **Fiber Monitor ?**

Fiber Monitor is the ultimate solution for monitoring and optimizing your fiber optic network. It's a powerful tool that offers a comprehensive view of your network's performance, allowing you to identify and resolve issues quickly, minimize downtime, and ultimately save time and money.

Why Choose Fiber Monitor ?

Improved Reliability

Fiber Monitor helps maintain a highly reliable network by promptly identifying and addressing issues, reducing downtime, and ensuring business continuity. Real-time monitoring reinforces the resilience of your infrastructure.

Cost Savings

Our exclusive technology provides cost-effective real-time monitoring of your fiber cables. By proactively managing your network's performance, you can avoid costly emergency repairs and downtime, ultimately saving your organization money.

Enhanced Productivity

A well-monitored network means your team can work efficiently without disruptions. Fiber Monitor keeps your business operations running smoothly.

Scalability

Fiber Monitor is designed to grow with your network. Whether you have a small or large business, it can scale to meet your needs. It adapts effortlessly to networks of varying sizes and complexities.

Peace of Mind

With Fiber Monitor, you can know that your network is under constant surveillance and will be the first to know if something goes wrong.

Fiber Monitor Key Features

Real-Time Monitoring

Fiber Monitor continuously scans your fibercable, providing real-time fiber performance. You'll always know what's happening on the fiber status at any given moment.

Customizable Alerts

Set up custom alerts to notify you via Email, SMS, or a centralized dashboard whenever performance indicators exceed your predefined thresholds. Be proactive and address issues before they impact your operations.

Historical Data Analysis

Fiber Monitor stores historical data, enabling you to analyze trends over time. This helps in capacity planning and identifying long-term performance patterns.

Precise Fault Localization

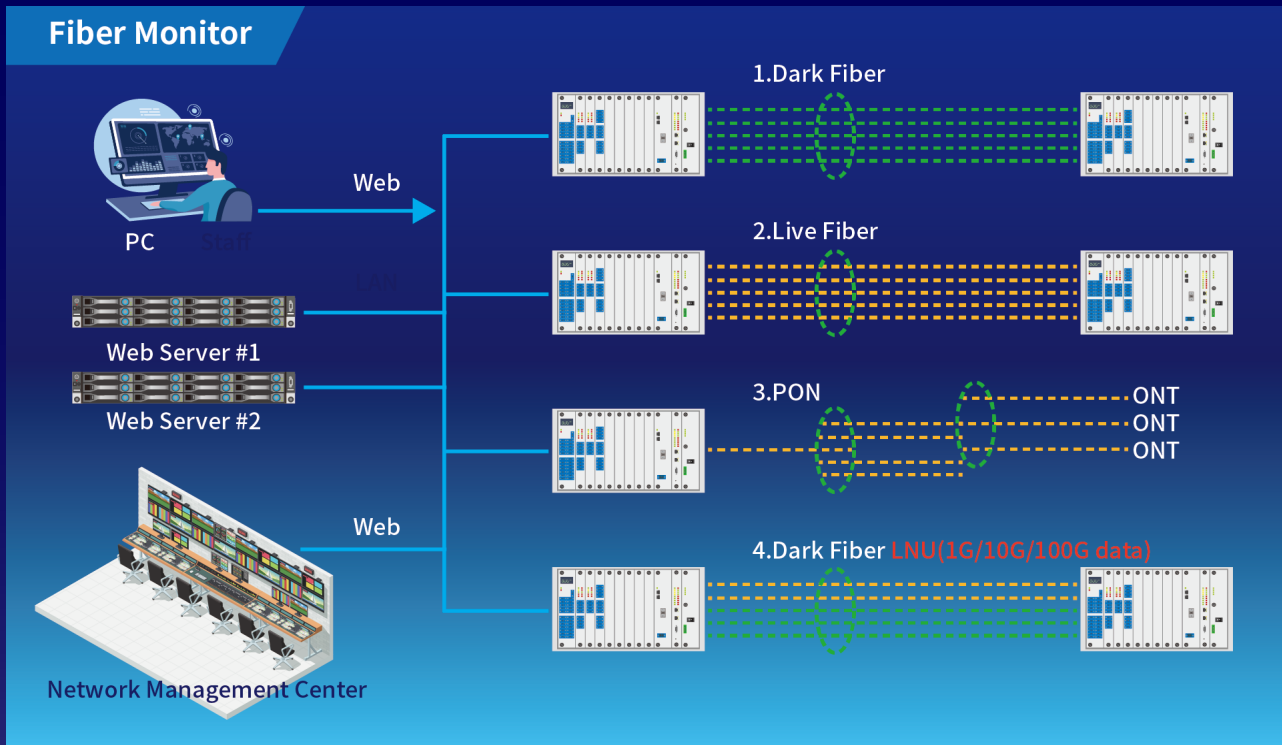
Pinpoint the exact location of network faults quickly and accurately. With Fiber Monitor's advanced technology, identifying faults along the vast expanse of your fiber optic network becomes a seamless process.

Visual Network Map

Our visual map feature provides a clear and intuitive view of your network topology. Easily spot bottlenecks and connectivity issues.

User-Friendly Interface

Fiber Monitor has a user-friendly and intuitive interface, easily managed by network administrators.



Fiber Monitor

Architecture

Fiber Monitor Application

1 Always on of the light source(7x24hrs) emitted from **LSU** to **PMU**.



2 The **PMU** detected the loss or decrease of received power level.

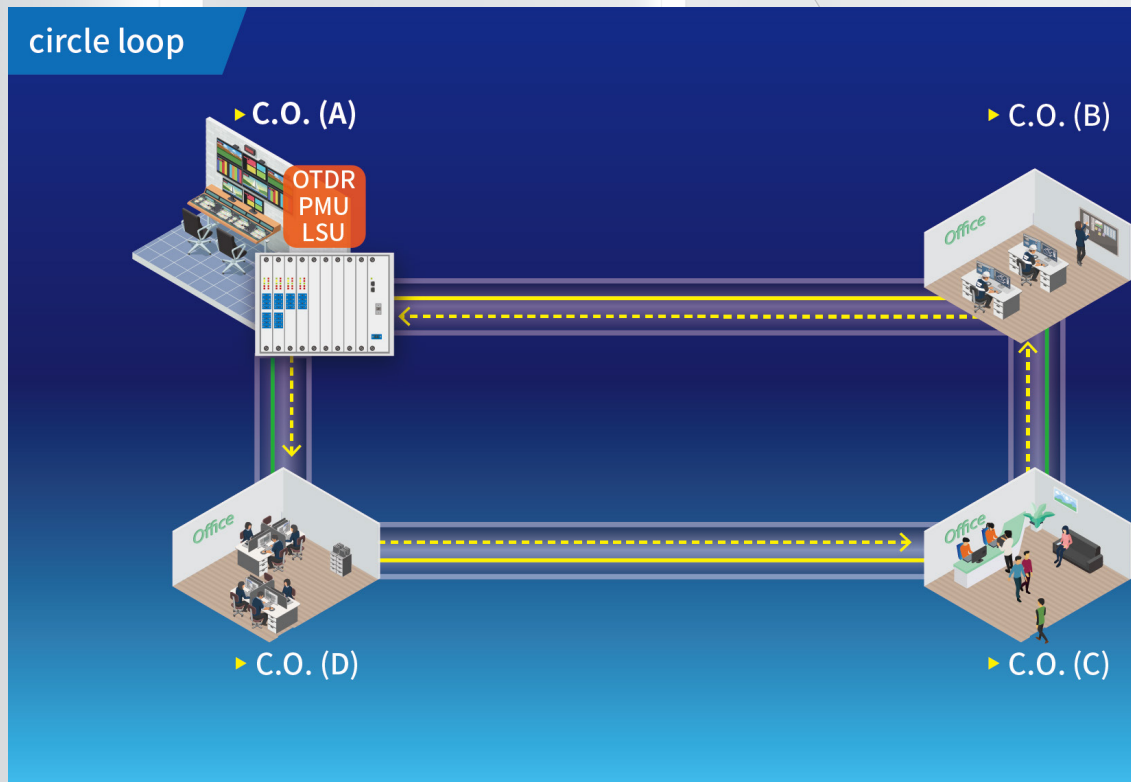


3 Trigger the **OTDR** to scan and identify the bending or failure point



Scenario 1 : Point to Point

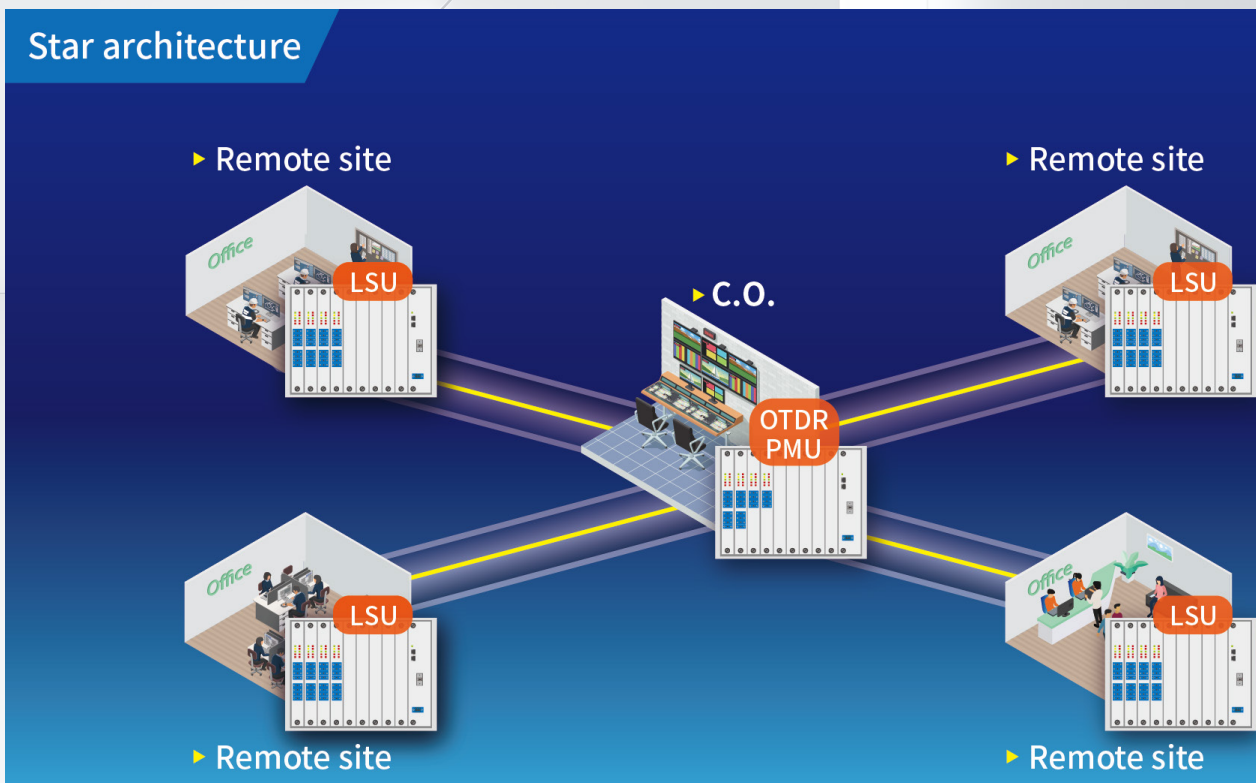
1. Always on of the light source(7x24hrs) emitted from **LSU** to **PMU**.
2. The **PMU** detected the loss or decrease of received power level.
3. Trigger the **OTDR** to scan and identify the bending or failure point.



Scenario 2 : Circle Loop

1. To choose one fiber core per path and connected as a circle loop (A>B>C>D>A)
2. All modules are located on the main site.
3. Always on of the light source(7x24hrs) emitted from LSU to PMU.
4. The PMU detected the loss or decrease of received power level.
5. Trigger the OTDR to scan and identify the bending or failure point.

Star architecture



Scenario 3 : Star Architecture

1. Always on of the light source(7x24hrs) emitted from LSU to PMU.
2. Central office puts the PMU and OTDR modules, and remote sites put the LSU module.
3. The PMU detected the loss or decrease of received power level.
4. Trigger the OTDR to scan and identify the bending or failure point.

With Fiber Monitor Advantage

1. Monitoring the fiber optical cable in real-time by LSU & PMU (Light Source & Power Meter) technology, which is cost-effective without the burden of detracting of expensive OTDR.
2. Auto-trigger the OTDR to scan and identify the bending of the failure point when PMU detects the abnormality of the fiber optical cable. It extends the life cycle of OTDR, which is expensive to operate in real-time detection.
3. A comprehensive real-time solution to monitor fiber cable can detect the broken cable caused. It shortens the inconvenience and loss caused by the downtime.

Conclusion

Are you seeking a comprehensive and advanced solution for managing your fiber optic networks with precision and ease? Look no further than Fiber Monitor – the ultimate fiber optic network management tool that empowers you to seamlessly maintain, monitor, and optimize your network infrastructure.



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