# Sample of a best-selling optical protection switch



## Overview

Comprehensive fiber link protection for all scenarios. Custom solutions. Ultrafast recovery ~ 100ns. Flexible interface. Cost-effective. Excellent customer service.

## Key Takeaways

The Polatis 6000 series optical protection switch is a leading solution for high-reliability network protection in data centers and telecom networks.

## Overview

The Polatis 6000 series is a versatile optical protection switch widely recognized for its reliability and performance in critical network applications. It supports up to 16 bidirectional RX/TX channels in a single rack unit and can automatically switch to backup lines within 30 milliseconds in the event of a fault, ensuring minimal downtime and high data security. This makes it ideal for data centers, telecommunications, and defense networks.

## Key Features

Automatic Protection Switching: Rapid rerouting of optical signals during fiber failures or network disruptions. Integration with Network Management: Supports SDN-OpenFlow, NETCONF, TL1, and SNMP for seamless integration into existing control platforms. Optical Power Monitoring: Built-in power monitors allow real-time monitoring of optical signal strength.

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High Reliability: Designed to maintain network resilience and service availability in mission-critical applications. Flexible Deployment: Can operate as a stand-alone switch or as part of a larger optical matrix system.

### Applications

Data Centers: Ensures uninterrupted connectivity for high-bandwidth, low-latency applications. Telecommunications: Protects optical channels in metro and long-haul networks. Defense and Aerospace: Provides secure and reliable optical switching for critical communications.

### Market Context

The optical protection switch market is growing rapidly, driven by increasing data traffic, cloud adoption, and the need for resilient networks. The Polatis 6000 series is among the top solutions due to its fast switching, high channel capacity, and integration capabilities, making it a best-selling choice in both enterprise and telecom sectors.

### Alternative Options

Other notable optical protection switches include MEISU MEMS optical switches, which offer low insertion loss, compact size, and MEMS-based high repeatability, suitable for industrial and aerospace applications. In summary, the Polatis 6000 series represents a benchmark in optical protection switching, combining speed, reliability, and network integration, making it a top choice for mission-critical optical networks.

## Article Content

Optical Network Protection/Bypass Switches

Comprehensive fiber link protection for all scenarios. Custom solutions. Ultrafast recovery ~ 100ns. Flexible interface. Cost-effective. Excellent customer service.

Protection Switches

Protection Switches for Fiber Optic Data Networks. The optical protection switches of the Polatis 6000 pss series guarantee maximum security, minimum downtimes, and optimum data security for critical

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