

Overview

FIRE™ brings wavelength division multiplexing (WDM), a proven technology in telecom and cable networks, to the data center. FIRE is a WDM system that accepts multiple inputs at rates of up to 10 Gbps (16G FC) and provides output as multiple wavelengths on single mode fiber.

WDM technology has been crucial in providing the explosive bandwidth growth of global networks and is proven in systems delivering 99.999% uptime. In data centers, higher data rates and demand for bandwidth is becoming increasingly difficult to sustain with copper or multimode fiber physical networks. WDM can reduce cabling and increase capacity by orders of magnitude with smart cabling that offers monitoring and management.

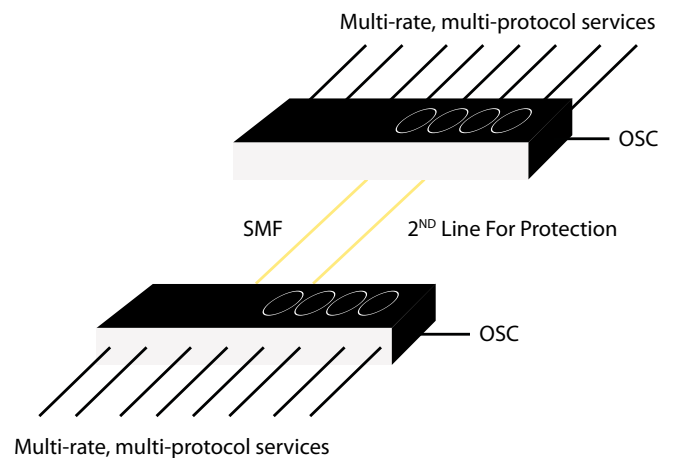
Key features

- Multi-rate, multi-protocol, user-configurable channels from GbE to 16Gbps in a compact 1RU chassis.
- 8 channels CWDM or DWDM output on single mode fiber
- Expandable to 96 channels with external aggregation and mux/demux options
- Additional output for redundant, 1+1 facility protection for ring and point-to-point topology
- Easy-to-use EMS
- Pluggable SFP/SFP+ optics for both tributary and line side
- Supports single and dual fiber connections
- Includes dual, hot-swappable, AC power supplies

Product description

The Fire WDM System includes transponders, mux/demux, and an optional protection switch in a compact 1RU chassis with low latency and low power consumption. The system also includes Element Management System (EMS) software. Additional Fire WDM systems can be added for a stackable, scalable solution. Fire is well-suited for:

- High capacity, low latency connectivity within the data center
- Replacing multi-mode with single-mode cables
- Reaching across the enterprise and between data centers
- Easy adaptability to future data rate increases



Services are converted to specific wavelengths and multiplexed together onto a single fiber, then demultiplexed at the destination.

