

FS M Series WDM & OTN Product Portfolio

M6200 Series WDM Platform

Mux/Demux, OEO, EDFA, DCM, OLP, R/B, etc.

M6200 Series Managed Chassis

M6500 Series OTN Platform

100G/200G Muxponder/Transponder

M6500 Series Managed Chassis

M6800 Series OTN Platform

1.6 T Transponder

M6200 Series WDM Platform

DWDM Mux Demux



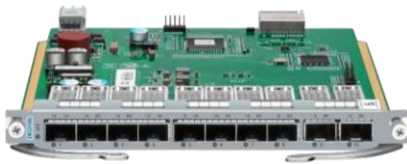
[M6200-D2160M](#)

- 40 channels over a pair of fiber
- 5.5dB typical insertion loss
- Mux and Demux design
- AAWG technology with Gaussian shaped pass bands
- 1% monitor port for easy troubleshooting without downtime
- Completely passive—no powering utilized

Feature Highlights

- Maximized dark fiber utilization.
- Convergence of existing networks and new services over existing infrastructure.
- Point to point, linear, ring, star and mesh topologies for metro, regional and long-haul WDM networks.

10G Transponder(OEO)



[M6200-OEO10G](#)

- 100M to 11.1Gbps transmission rate
- Low latency $\leq 1.8\mu s$
- Pluggable SFP/SFP+ interfaces for both service and WDM channels
- Five independent transponders on one OEO module
- Ethernet 100M~10G WAN/LAN, STM-16/64, OTU2/2e, 1/2/4/8G FC service type
- Support forward, loopback, 1+1 protection, broadcast and freedom mode, etc
- Support automatic laser shutdown (ALS) function

Feature Highlights

- Building efficient WDM OTN transport solutions over common OTN long distance optical network.
- Applied for campus, ISP and enterprise networks.

Pre-Amplifier DWDM EDFA



[M6200-25PA](#)

- Up to 40ch DWDM wavelengths in the C-band
- AGC and APC operation modes
- Variable gain at dynamic range of $\pm 5dB$
- OSC port for remote management and topology detection
- 1% Monitor port for link troubleshooting and transmission status monitoring.
- Support external SFP VOA for adjusting the line power

Booster DWDM EDFA



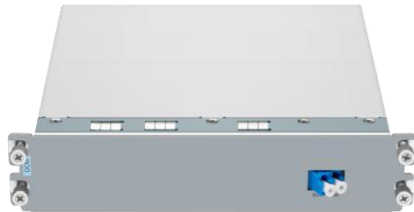
[M6200-20BA](#)

- Up to 40ch DWDM wavelengths in the C-band
- AGC and APC operation modes
- OSC port for remote management and topology detection
- 1% Monitor port for link troubleshooting and transmission status monitoring.
- Support external SFP VOA for adjusting the line power

Feature Highlights

- Extending the optical link power budget to meet distance and attenuation requirements of DWDM networks.
- Reducing the number of regenerators and sites along the fiber.
- Overcoming high loss in old fiber infrastructure.

DCM (Dispersion Compensation Module)



[M6200-DCM40](#)

- Compensation distance up to 40km
- Low insertion loss $\leq 4.0\text{dB}$
- Low polarization mode dispersion
- Wide band dispersion compensation
- Completely passive—no powering utilized
- 100% slope compensation of G.652 fiber in C-band

Feature Highlights

- Provides fixed chromatic dispersion compensation for metro, regional, and extended-haul DWDM networks.
- Increasing transmission distance and decreasing BER of optical links.
- Combined with OEO (Transponder) and EDFA to establish a long-haul DWDM transport solution.

OLP (Optical Line Protection)



[M6200-OLP2](#)

- 1+1 line backup mode
- Fast swithing speed $\leq 25\text{ms}$
- Real-time monitoring of standby optical power
- Transparent transmission characteristic

Feature Highlights

- Support for revertive, non-revertive, or manual switching modes.
- Latch feature, if power is lost the switch remains in its current state.
- Provide a high level of availability for line fault recovery, data center interconnect, and carrier services.

Red/Blue Filter Module



[M6200-RB](#)

- Red(1547~1561 nm)/Blue(1530~1543.2nm) band wavelength separation or combination
- High channel isolation
- Excellent environmental reliability

Feature Highlights

- Designed for single fiber Bi-directional transmission in DWDM system
- Cost-effective solution to save fiber resources and link budget.

M6200 Series Managed Chassis



[M6200-CH2U](#)

- Support up to 7x EDFA/OEO/OLP M6200 series modules
- 1+1 main control card backup **optional**
- 1+1 redundant hot-swappable AC power supplies
- Hot-swappable smart fan unit
- 4x RJ-45 LAN 10/100M/1000M management interfaces
- 2x SFP 100M management interfaces
- Support WEB, SNMP v2 management



[M6200-CH5U](#)

- Support up to 15x EDFA/OEO/OLP M6200 series modules
- 1+1 main control card backup **optional**
- 1+1 redundant hot-swappable AC power supplies
- Hot-swappable smart fan unit
- 4x RJ-45 LAN 10/100M/1000M management interfaces
- 2x SFP 100M management interfaces
- Support WEB, SNMP v2 management

Feature Highlights

- Provides an entire WDM solution over dual or single fiber in a 2U/5U highly integrated 10G OTN platform.
- Each service module is hot swappable and is independent from other modules in the chassis.
- Provides full configuration, accounting, performance, security management on M Series NMS user-friendly WEB management interface.

M6500 Series OTN Platform

200G Transponder Muxponder



[M6500-TMXP5](#)

- 100G/200G capacity over single wavelength
- 2x 100G QSFP28 or 4x 40G QSFP+ or 20x 10G (4x 5) client interfaces
- 10GbE, 40GbE, and 100GbE, STM-64/OC-192, OTU2/OTU2e/OTU3/OTU4 client service type
- 1x 200G coherent CFP2-DCO line interface
- PM-8/16 QAM line interface modulation
- Support I.4/I.7 EFE or G.709 regular FEC on 10G interface
- Support G.709 regular FEC or Soft-Decision FEC on 100G line mode
- Support Soft-Decision FEC on 200G line mode
- Support GCC0, GCC1, GCC2 in-band DCN management

Feature Highlights

- Support 10GbE, 40GbE, and 100GbE managed services and protocol mix.
- Delivers carrier grade, high-end 100G/200G solutions, capable of serving multiple applications and protocols for enterprise and data center networks, such as data, storage, video.
- Increase capacity of enterprise DCI (Data Center Interconnect), enterprise and metro networks.

M6500 Series Managed Chassis



[M6500-CH2U](#)

- Support up to 2x Muxponder/Transponder M6500 series modules
- 1+1 redundant hot-swappable AC power supplies
- Hot-swappable smart fan unit
- 2x RJ-45 LAN 10/100M/1000M management interfaces
- 2x SFP 100M management interfaces
- 2x RJ-45 MDI/MDO interfaces for external alarm input/output
- Support WEB, SNMP v2 management



[M6500-CH5U](#)

- Support up to 6x Muxponder/Transponder M6500 series modules
- 1+1 main control card backup optional
- 1+1 redundant hot-swappable DC power supplies
- Hot-swappable smart fan unit
- 2x RJ-45 LAN 10/100M/1000M management interfaces
- 2x SFP 100M management interfaces
- Support WEB, SNMP v2 management

Feature Highlights

- Designed for M6500 Series OTN business modules, various rack type can be selected.
- Provides an entire high capacity 100G/200G OTN solution in a 2U/5U highly integrated platform.
- Provides full configuration, accounting, performance, security management on M Series NMS user-friendly WEB management interface.

M6800 Series OTN Platform

1.6T Transponder



[M6800-TSP16](#)

- 100G/200G capacity over single wavelength
- 16x 100G QSFP28 client interfaces to 8x 200G coherent CFP2-DCO line interfaces
- 100GbE client service type
- PM-8/16QAM line interface modulation
- Up to 1.6T high capacity platform in highly integrated 1U platform
- Pay-as-you-grow architecture based on tailored capacity
- Remote management with in-band GCC 0/1/2
- 1+1 redundant hot-swappable AC power supplies
- 2x RJ-45 LAN 10/100M/1000M management interfaces

Feature Highlights

- Provide high capacity connectivity for DCI and colocation providers, cloud and internet exchange.
- 1U platform for DCI (data center interconnect), cloud providers, colocation providers, and high capacity applications.
- Provides full configuration, accounting, performance, security management on M Series NMS user-friendly WEB management interface.



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.