

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

1.6T Transponder

M6200 Series WDM Platform

DWDM Mux Demux



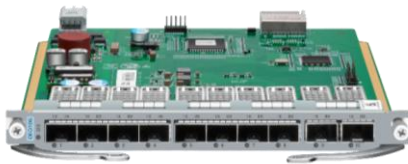
[M6200-D2160M](#)

- 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



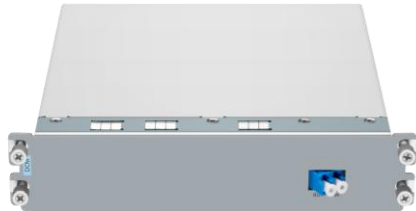
[M6200-20BA](#)

- 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(1547~1561nm)/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

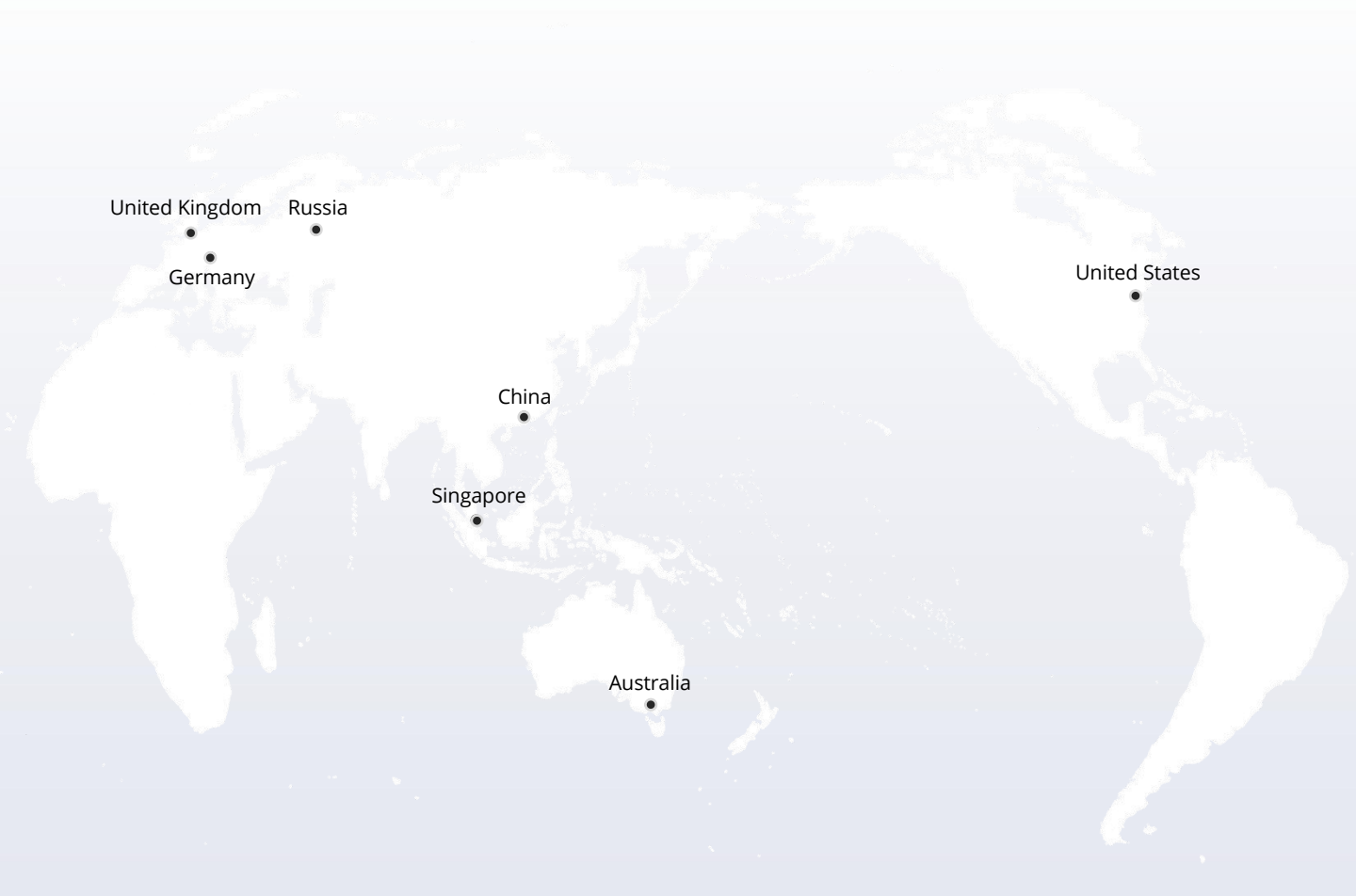


[M6800-TSP16](#)

- 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.



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