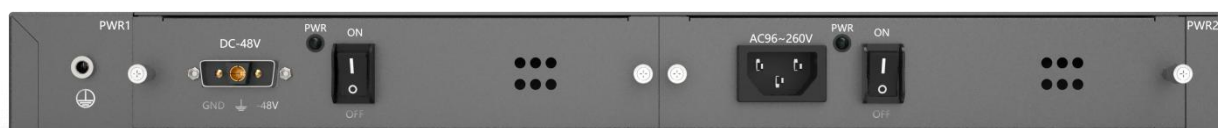# Optical Transport System FW6600

The Optical Transport product series FW6600 is a new generation, high-capacity, and multi-service access optical network platform introduced by FIBERWDM. This platform features high integration of services, large port density, diverse types of services, and flexible configurations. It supports a graphical management interface based on the SNMP protocol in either C/S or B/S architecture, providing clear fault localization for efficient management and maintenance, thereby reducing maintenance costs.

This platform is widely used in telecommunications operators, broadcasting and television, power, education, cloud computing, and information security sectors. It is designed for all-optical networks and is applied in national, inter-provincial, intra-provincial trunk lines, local metropolitan area networks, and various dedicated networks. The platform offers independent and transparent transmission of transport signals, multiplexing of multiple signals to save optical fiber resources, and ensures security and reliability. It helps customers build long-distance, highly reliable, secure, flexible, and disaster-resistant optical transport networks, making it the optimal solution for coping with the scarcity of optical cable resources.
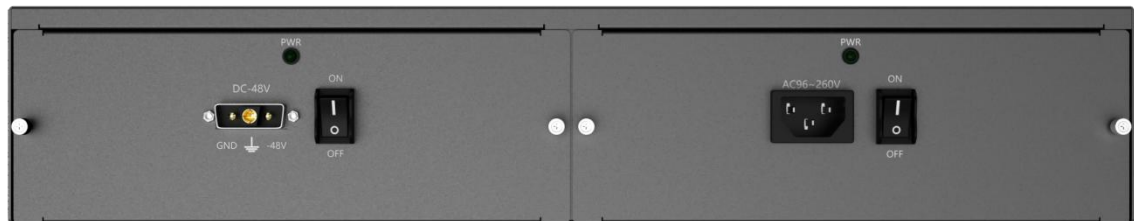
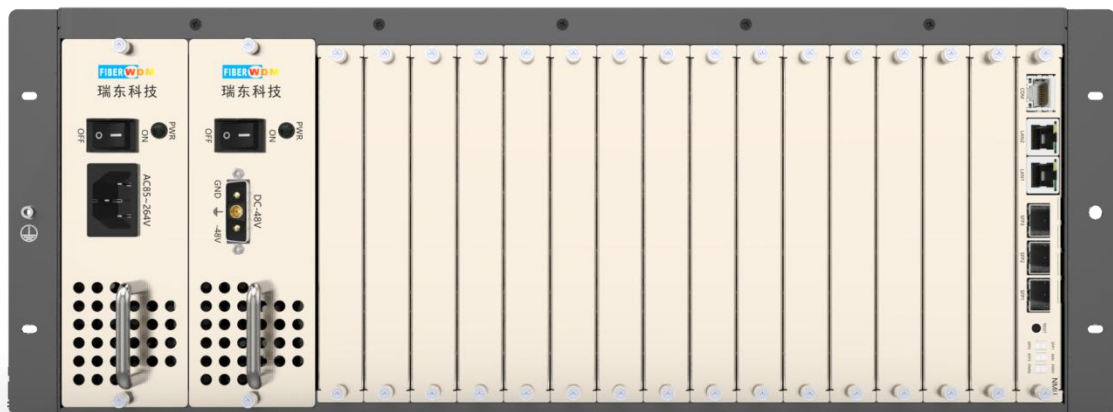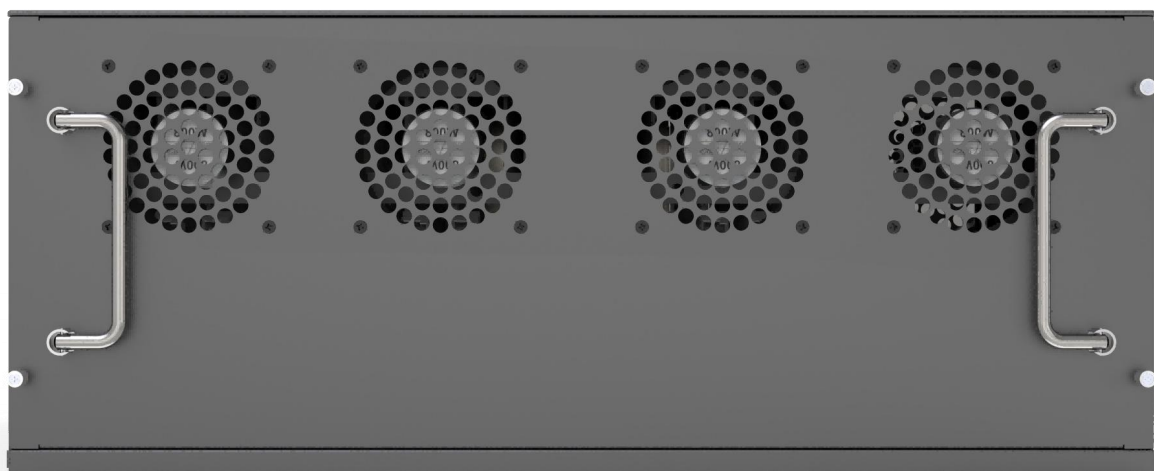## Product Picture

1U Chassis Front

1U Chassis Back

2U Chassis Front

2U Chassis Back

4U Chassis Front

4U Chassis Back

Product Features

- Flexible networking with a compact footprint and strong scalability.

- Supports hot-swappable CWDM/DWDM/EDFA/OLPS/OTAP service cards.

- Supports access to various services such as SDH, SONET, Ethernet, SAN, OTN, and Video.

- Supports maximum single-channel rates of 100G, 200G, 400G.

- Supports various networking configurations, including point-to-point, point-to-multipoint, and ring topologies, with options for single-fiber or dual-fiber bidirectional transmission.

- Supports interoperability with client devices from different vendors, including single-mode (1310nm/1550nm), multimode (850nm/1310nm), and Ethernet ports (RJ45), enabling optical add-drop multiplexing (OADM) functionality and wavelength conversion at intermediate nodes.

- Supports SNMP-based unified network management platform with management options including CLI (telnet and console), web interface, and NetView(graphical interface).

- Supports 1+1 hot-swappable redundant power backup with options for both AC and DC power sources.

Product Specifications

System Parameters	1U Chassis	2U Chassis	4U Chassis
Device Dimensions (mm)	482(W)×44(H)×320(D)	486(W) ×86(H)×352(D)	483(W)×178(H)×280(D)
Number of Service Slots	4 slots	8 slots	16 slots
Power Consumption	<120W	<200W	<300W
Wavelength Range	DWDM:1529.16nm~1567.14nm CWDM:1271nm~1611nm		
Channel Spacing	50/100 GHz fixed		

	37.5-400 GHz flex-grid
Supported Service Types	SDH, SONET, Ethernet，SAN，OTN，Video
Maximum Single-Channel Rates	100G, 200G, 400G
Optical Interface Transmission	Supports 2R transmission mode for transparent transmission between 32M and 111.81Gbit/s. Supports 3R transmission mode with optional rates including 155Mbit/s, 622Mbit/s, 1.25Gbit/s, 2.488Gbit/s, 4GFC, 8GFC, 10GFC, 11.3Gbit/s, 25Gbit/s, 40Gbit/s, 56Gbit/s, 100Gbit/s, 200Gbit/s, and 400Gbit/s.
Network Topology	Point-to-point, ring, star, chain, tangent ring, mesh
Network Management	CLI、 NetViver、Web

Environmental Requirements	Operating	-10℃~50℃
	Storage	-40℃~80℃
	Relative Humidity	5%~95% non-condensing

Power Requirements (Typical)	AC Power Supply: Voltage Range: 90V~264V, 50/60Hz DC Power Supply: Voltage Range: -36V~60V
Safety and EMC Compliance	Meets FCC, UL, CE, TUV, CSA standards

Order Information

Product No.	Product description
FW6600A	1U Rack， 4-Slot,Fans Unit, Daul power(AV90~ 264V or DC -48~ -60 V), 482(W)×44(H)×320(D)
FW6600B	2U Rack， 8-Slot,Fans Unit, Daul power(AV90~ 264V or DC -48~ -60 V), 486(W)×86(H)×352(D)
FW6600C	4U Rack，16-Slot,Fans Unit, Daul power(AV90~ 264V or DC -48~ -60 V), 483(W)×178(H)×280(D)