

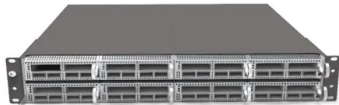
GF-6800-CH08

GF-6800-8-slots 4U-19" RM, Support 1xNMS / Install 2*NMS FAN & PSU Ready

1. Product overview

GF-6800-CH08 – 2U HT6800 DCI DWDM Chassis with Redundant MPU Main Control

The GF-6800-CH08 is a high-capacity 2U modular chassis for the GF-6800 DCI DWDM Optical Transmission System. Designed for Data Center Interconnect (DCI), metro, backbone and long-haul optical networks, the platform combines high transmission capacity, modular service expansion and centralized network management in a compact 2U form factor. The chassis supports up to 8 × 1/4-slot service modules or 4 × 1/2-slot modules and provides a maximum platform capacity of up to 6.4 Tbps. The modular architecture supports electrical-layer muxponder/transponder cards as well as optical-layer modules including WSS, TFF, OP, OTDR, OCM, OA and OLA cards.



2. Key features

Product type: Modular DCI DWDM Optical Transmission Chassis • Model: GF-6800-CH08 • Platform: HT6800 DCI DWDM Optical Transmission System

3. Applications

High-capacity Data Center Interconnect (DCI) • 100G/200G/300G/400G/800G DWDM networks • Metro DWDM transport • Long-haul optical transmission • National and regional backbone networks • Multi-service optical transport • Coherent DWDM systems • Networks requiring redundant centralized management • Managed EDFA/WSS/DWDM optical systems

4. Technical data

Product type: Modular DCI DWDM Optical Transmission Chassis	Hot-swappable power modules
Model: GF-6800-CH08	Dual controller architecture with 1+1 redundancy
Platform: HT6800 DCI DWDM Optical Transmission System	Dual power supply with 1+1 redundancy
Chassis format: 2U	Power options: 220 V AC, High-voltage DC, -48 V DC
Maximum platform capacity: 6.4 Tbps	Maximum chassis power consumption: <800 W*
Service slots: Up to 8 × 1/4-slot modules, Up to 4 × 1/2-slot modules	The GF-6800-CH08 provides a flexible modular platform supporting both electrical-layer and optical-layer cards.
Chassis dimensions: 442 × 484 × 88 mm (W × D × H)	Client-side services: 10GE; 100GE; 100G FlexE; 100G OTU4; 200GE; 400GE
Modular and hot-swappable architecture	Line-side transmission: 100G; 200G; 300G; 400G; 800G
Front-to-rear airflow cooling	Supported electrical-layer cards include: 100G TMUX; 200G TMUX; 200G TMUX-2; 400G TMUX; 400G QDD; 400G OEO; 800G TMUX
Hot-swappable service cards	Supported optical-layer cards include: WSS; TFF; OP; OTDR; OCM; OA EDFA; OLA EDFA
Hot-swappable fan modules	
Hot-swappable main control cards	

5. Recommended operating conditions

Operating temperature: -5°C to +45°C
Storage temperature: -40°C to +80°C
Relative humidity: 5% to 95%, non-condensing

GF-6800-CH08

6. Optical characteristics

Modular chassis: optical characteristics depend on the installed service and optical-layer modules. No chassis-level optical limits are specified on this product page.

7. Digital diagnostics and management

The MPU (Main Processing Unit) is the central control and network management unit of the GF-6800-CH08. It manages both the control plane and management plane and communicates with the installed service cards through the chassis backplane.	Alarm classification and filtering
For the 2U platform, the system supports dual MPU controllers with 1+1 redundancy, providing increased availability and protection against controller failure.	Operation and fault logging
Function: Main Processing Unit / Main Control Card	Log storage, querying and export
Dual-controller architecture	Software and firmware upgrade management
1+1 redundant main control	Configuration version management
Primary/standby failover	User management
CPU clock speed: 1500 MHz	Clock and version synchronization
Memory: 2 GB	Data backup and recovery
Hot-swappable design	Environmental monitoring
Independent cooling	MPU power consumption: =10 W
Service configuration management	2 × RJ45 Gigabit Ethernet management ports
Cross-connect control	1 × RJ45 Console port
Control policy management	2 × OSC Gigabit/100 Mbps ports
Network configuration	2 × USB Type-A ports
Real-time board monitoring	2 × MUX ports
Real-time port monitoring	NETCONF
Real-time service-status monitoring	SNMP
Automatic board identification	Web-based management
Board online/offline detection	CLI
Board power-on/off control	SSH
Board reset control	Telnet
Alarm generation and reporting	YANG model support
	Open API support
	Layer 2 RSTP ring topology
	Layer 3 OSPF networking
	BGP support

8. Safety and regulatory

The product page does not specify regulatory certifications or a laser safety class.

9. Ordering information

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10. General notes

The sales heading states 4U and Support 1xNMS / Install 2*NMS. Technical Info states 2U, 88 mm height and dual 1+1 controllers. These conflicting source descriptions are retained. • Equality signs (for example “=30 W”) and source asterisks are retained as published; no different limit is inferred. • Technical values and product image: GLOBALfiber product page, Technical Info. Unspecified parameters have not been inferred. Accessed 06.09.2026.

Source: GLOBALfiber product page – Technical Info