

GF-6800-CH04

GF-6800-4-slots 1U-19" RM, Support 1*NMS / FAN & PSU ready

1. Product overview

GF-6800-CH04 – HT6800 DCI DWDM Chassis with MPU Main Control Card The GF-6800-CH04 is a compact and modular chassis for the GF-6800 DCI DWDM Optical Transmission System, designed for high-capacity Data Center Interconnect (DCI), metro and optical transport applications. The platform provides a flexible architecture for integrating electrical-layer service cards, coherent transponders/muxponders and optical-layer modules within a centrally managed system. The GF-6800 platform supports high-capacity transmission, modular expansion and multiple network management interfaces, making it suitable for scalable DWDM deployments.



2. Key features

Product type: DCI DWDM Optical Transmission Chassis • Model: GF-6800-CH04 • Platform: GF-6800 DCI DWDM Optical Transmission System

3. Applications

Data Center Interconnect (DCI) • Metro DWDM networks • Long-haul DWDM transmission • National and regional backbone networks • High-capacity point-to-point optical networks • Managed coherent 100G/200G/400G/800G DWDM systems • Networks requiring centralized monitoring and remote management

4. Technical data

Product type: DCI DWDM Optical Transmission Chassis	Front-to-rear airflow cooling design
Model: GF-6800-CH04	Supports SDN-based network architecture
Platform: GF-6800 DCI DWDM Optical Transmission System	Supports AC, high-voltage DC and -48 V DC power options
Modular chassis architecture	Designed for DCI, metro and backbone DWDM networks
Supports electrical-layer and optical-layer modules	GF-6800 supports flexible client-side services including 10GE, 100GE, 100G FlexE, 100G OTU4, 200GE and 400GE, while the line side supports transmission rates from 100G through 800G.
Supports hot-swappable service, fan, main control and power modules	

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

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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

Supports centralized network management	Supports cross-connect control
Supports YANG model interfaces based on NETCONF	Supports control policy configuration
Management methods: Web, CLI, SNMP, SSH, Telnet, NETCONF	Supports network configuration
Supports dual-channel Gigabit Ethernet management	Supports synchronization and version synchronization
Supports OSC management	Real-time monitoring of: Boards, Ports, Services
Supports OSPF networking	Automatic board-type identification
Supports Layer 2 RSTP ring topology	Board presence/offline detection
Supports Layer 3 OSPF and BGP	Board power-on/off control
The MPU (Main Processing Unit) is the central control and network management card for the GF-6800 chassis. It manages both the control plane and management plane and communicates with installed service cards through the chassis backplane.	Board reset control
The MPU provides centralized service configuration, equipment monitoring, alarm management, software and firmware management, network configuration and system administration. It features a high-performance CPU, hot-swappable design and independent cooling.	Alarm generation and reporting
Function: Main Processing Unit / Main Control Card	Alarm classification and filtering
Central control and network management of the GF-6800 platform	Device operation logging
Manages control plane and management plane	Fault logging
CPU clock speed: 1500 MHz	Log storage, querying and export
Memory: 2 GB	Software and firmware upgrade management
Hot-swappable design	Configuration version management
Independent cooling system	User management
Communication with service cards through the backplane bus	Environmental monitoring
Supports service configuration management	Data backup and recovery
	Primary/standby failover support
	1+1 redundant MPU support in 2U configuration
	Management protocols/interfaces: CLI, Telnet, SNMP, Web, SSH, NETCONF
	Maximum power consumption: =10 W

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

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.

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