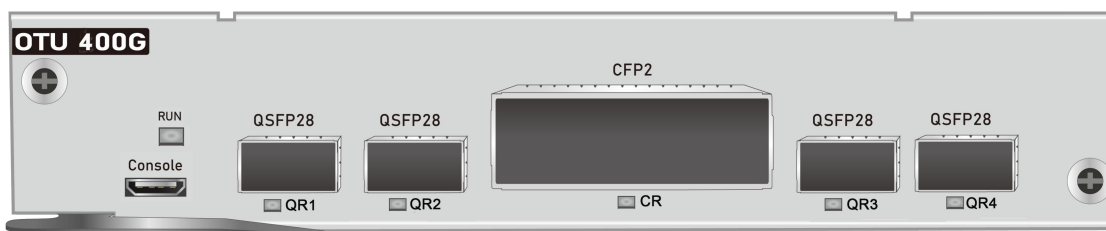


400G Muxponder 4x100G converge to 400G

The 400G Muxponder Transmitter supports four QSFP28 client interface and one CFP2 line-side interface to support single-channel 400Gbps large-grain data transfers. The industry's most advanced coherent technology and FEC forward error correction coding technology enable high-capacity, long-distance high-performance transmission.



Function

- Media conversion
- Signal repeating
- Lambda conversion

Highlight

- Support single-channel 200G/400G large data rate transmission
- Support 191.3~196.1THz, 75GHZ interval wavelength adjustable
- Ultra-long-distance transmission: FEC technology can be used to achieve 1000km transmission without regeneration
- Large dispersion tolerance: 20000ps.nm
- Support DCO output power adjustable
- Support port software and hardware loopback test
- Support DDM digital diagnosis, OSNR monitoring, real-time monitoring of bit error rate
- Support ALS function

HTF 400G Muxponder includes integrated OTN FEC capability on the transponder, allowing operation over longer distances or in applications requiring ultra-low bit error rates.

The 400G Muxponder from HTF offer a choice of pluggable QSFP28 Client Side Optics and CFP2 -DCO Coherent DWDM Line Side Optics based on distance and capacity requirements.

The Coherent DWDM Optics are the most technologically advanced and offer benefits on dispersion management, signal reach, and other optical properties. Coherent DWDM Optics can greatly increase the capacity and reach of an optical network, The 400G Muxponder models fits for HT6000 series CH04, CH08, CH20 chassis.

Performance Parameter

System Parameter		Technical Indicator
Center Wavelength		DWDM 1529.5~1565.50nm
Data Rate		400Gbps
400G Interface	Client Side	4xQSFP28 module
	Line Side	CFP2 400Gbps coherent module
FEC (gain, delay, BER threshold)	200G-QPSK, 20% SDFEC, 2x100G	Rx OSNR Tolerance: 13.8dB
	200G-16QAM-PS, 20% SDFEC, 2x100G	Rx OSNR Tolerance: 15.8dB
	400G-16QAM-PS, 20% SDFEC, 4x100G	Rx OSNR Tolerance: 21dB
NMS		TELNET, SNMP, WEB
Size		191 (W) x 253 (D) x 42 (H) mm
Environment	Operating Temperature	-10°C ~ 60°C
	Storage Temperature	-40°C ~ 80°C
	Relative Humidity	5% ~ 95% Non-condensing
Power Consumption		≤50W

Ordering Information

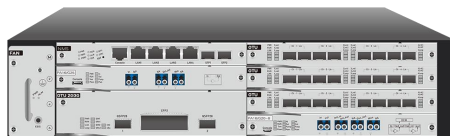
Model	Function	Protocols	Client Side	Line Side
HT6000-FQ2CFP2	4xQSFP28 to CFP2-DCO 400G Coherent Module Muxponder	LAN or WAN PHY: 100Gbps	QSFP28x4	CFP2-DCO

HT6000 Series Chassis



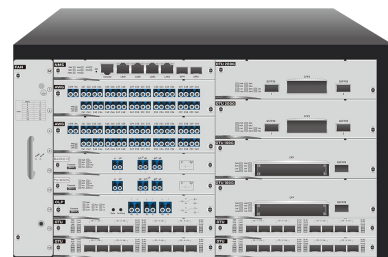
CH04 Chassis

- Standard 1U, 19", 4 slots
- Dual power supply AC/DC optional
- Multiple service card hybrid insertion
- Support 10G/100G /200G/400G hybrid transmission



CH08 Chassis

- Standard 2U, 19", 8 slots
- Dual power supply AC/DC optional
- Multiple service card hybrid insertion
- Support 10G/100G /200G/400G hybrid transmission



CH20 Chassis

- Standard 5U, 19", 20 slots
- Dual power supply AC/DC optional
- Multiple service card hybrid insertion
- Support 10G/100G /200G/400G hybrid transmission

HT6000 Series Chassis is the foundation for deploying and managing the HTF multi-service mixed-media solutions.

HT6000 Series Chassis Optional			
CH04 Chassis: 482.5(W) x 350(D) x 44.5(H) mm	1U 19-inch chassis	1 network management slot	3 universal service slots
CH08 Chassis: 482.5(W) x 350(D) x 89(H) mm	2U 19-inch chassis	1 network management slot	7 universal service slots
CH20 Chassis: 482.5(W) x 350(D) x 222.5(H) mm	5U 19-inch chassis	1 network management slot	19 universal service slots
Power Consumption: 1U <120W, 2U<200W, 5U<400W			
Support SNMP, Web, CLI multiple network management modes			
Support dual power supply redundancy protection, Power supply support AC: 220V / DC: -48V optional			

HT6000 Series Chassis support multiple service intermixing:

4x100G to 400G Muxponder	4x25G to 100G Muxponder	100G SOA Optical Amplifier Card
2x100G to 200G Muxponder	25G OEO	EDFA Card (Single fiber or dual fiber version)
100G Transponder	10G SFP+ OEO	OLP Optical Line Protection (Single fiber or dual fiber version)
40G/100G OEO	Dispersion Compensation Module	4/8/16/40/48 Channel DWDM MUX/DEMUX, or OADM Card