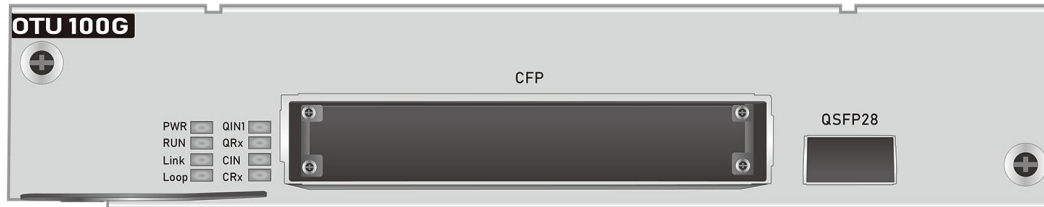


100G Transponder/Converter

The 100G OTN Transmitter supports one QSFP28 client interface and one CFP line-side interface to support single-channel 100Gbps 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 100Gbps
- Client side: QSFP28 module
- Line side: CFP 100Gbps coherent module;
- Ultra-long-distance transmission: FEC technology can be used to achieve 1500km transmission without regeneration
- Large dispersion tolerance: 40000ps.nm
- Support port loopback test
- Support 80 channel wavelength tunable

HTF 100G Transponder includes integrated OTN FEC capability on the transponder, allowing operation over longer distances or in applications requiring ultra-low bit error rates.

The 100Gbps Transponders from HTF offer a choice of pluggable QSFP28 Client side optics and CFP 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 100G Transponder models fit for HT6000 Series CH04, CH08, CH20 Chassis.

Performance Parameter

System Parameters		Technical Indicators
Center Wavelength		DWDM 1529.5~1565.50nm
Data Rate (Gbps)		100Gbps
100G Interface	Client Side	QSFP28 module
	Line Side	CFP 100Gbps coherent module
FEC (Gain, Delay, BER Threshold)	GFEC	6.2dB, 1.2 μ s, 8.5e-2
	100GE-SDFEC-LOW-LATENCY-SD2	10.6dB, 9.4 μ s, 1.40e-2
	100GE-SDFEC-LH-SD2	9.4dB, 7.9 μ s, 1.01e-2
	100GE-SDFEC-LOW-LATENCY-SD0	10.8dB, 9.4 μ s, 1.56e-2
NMS		TELNET, SNMP, WEB
Size		191 (W) x 253 (D) x 42 (H) mm
Environment	Operating Temperature	-10 $^{\circ}$ C ~ 60 $^{\circ}$ C
	Storage Temperature	-40 $^{\circ}$ C ~ 80 $^{\circ}$ C
	Relative Humidity	5% ~ 95% Non-condensing
Power Consumption		\leq 50W

Ordering Information

Model	Function	Protocols	Client Side	Line Side
HT6000-OTUQ2CFP	Coherent 100G Transponder	LAN or WAN PHY: 100Gbps	QSFP28	CFP-DCO

HT6000 Series Chassis



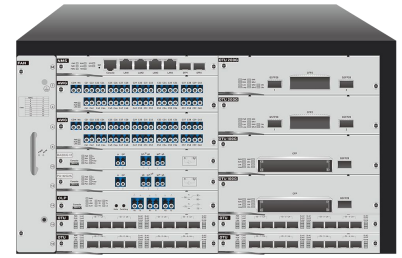
CH04 Chassis

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



CH08 Chassis

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



CH20 Chassis

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

100G Transponder	100G OEO	4/8/16/40/48 Channel DWDM MUX/DEMUX, or OADM Card
2x100G to 200G Muxponder	25G OEO	4/8/16 Channel CWDM MUX/DEMUX
4x25G to 100G Muxponder	2x10G OCP Transponder	OLP Optical Line Protection
4x10G SFP+ Transponder	8x1.25G Convergence 10G Muxponder	EDFA Card