Product Brochure

Huawei OptiXtrans E6608T(OSN 1800 II TP)

Huawei OptiXtrans E6608T is a highly-integrated all-optical transport platform designed for enterprises. The OptiXtrans E6608T can be widely used in industries such as energy, electric power, transportation, education, and finance that are crucial to national economy and people's livelihood.

Product Highlights

Unified Transmission

All low-rate services and high-bandwidth services can be encapsulated into OTN frames for unified transmission.

Unified Management

A unified NMS can be used to manage and maintain all SDH and WDM/OTN devices in a unified manner.

Easy Deployment

The case-shaped design features high integration and easy deployment at any place.

Product Specifications

Appearance and specifications

Specifications	Description
Dimensions (H x D x W)	88.1 mm x 220 mm x 442 mm (excluding handle)
Installation mode	19-inch cabinet - ETSI 300mm deep cabinet, such as A63B, N63B
Number of slots for service boards	DC-powered chassis: 7 AC-powered chassis: 5
Optical-layer cross-connect capacity	1 to 20-degree ROADM

Specifications		Description
Wavelength		• DWDM: 80 wavelengths • CWDM: 8 wavelengths
Center wavelength range		• DWDM: 1529.16 nm to 1560.61 nm (C Band, ITU-T G.694.1) • CWDM: 1471 nm to 1611 nm (S+C+L Band, ITU-T G.694.2)
Service types supported		SDH/SONET service, OTN service, Ethernet service, CPRI service, SAN service, video service and others
Max. rate per channel		200 Gbit/s
Line rate		2.5 Gbit/s, 10 Gbit/s, 100 Gbit/s, 200 Gbit/s
Pluggable optical/electrical module		• Optical module: SFP/eSFP, XFP, SFP+ • Electrical module: GE SFP, FE SFP
Topology		Point-to-point, chain, star, ring
Network level protection (OTN)		Client 1+1 protection, intra-board 1+1 protection, ODUk SNCP, optical line protection, and LPT
Equipment level protection		Power Redundancy, fan redundancy
Optical power management		ALS, AGC, IPA
Maintenance		• Loopback • PRBS
Easy O&M		Optical Doctor System, Fiber Doctor System
Synchronization		• Physical clocks (OTN) • IEEE 1588v2 (OTN) • ITU-T G.8275.1/G.8273.2 (OTN)
Power supply		DC power input • Standard working voltage: -48V to -60V • Working voltage range: -40V to -72V
Running environment	Chassis temperature	• Long-term running: -5°C to +55°C • Short-term running: -10°C to +55°C
	Chassis relative humidity	• Long-term running: 5% to 85% • Short-term running: 5% to 95%
	ETSI conformity	ETSI Class 3.1 **NOTE** The ETSI standards define the temperature and humidity environment of the equipment.
Reliability Specifications	MTTR (system mean repair time)	4 hours
	MTBF (system mean fault interval)	61.44 years

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