DCI (OTNS8600-DCI8 2U)

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Details

OTNS8600-DCI8 WDM Transmission Platform

OTNS8600-DCI8 is a high-performance optoelectronic integrated WDM transmission platform designed for Data Centre Interconnect (DCI). It delivers ultra-high capacity up to 25.6 Tbps per fiber, supports flexible deployment, and enables high-speed all-optical interconnection between data centers with simplified operation and advanced network management capabilities.

Key Features

Features
Optoelectronic integrated modular design with hot-pluggable components
Up to 25.6 Tbps per fiber (400G × 64?, C+ band)
Up to 3.2 Tbps capacity per subrack
Supports single wavelength up to 400G, scalable to 600G / 800G / 1.2T
Integrated optical layer cards (OA, WSS, VOA, OSC, OTDR, OCM, OLP)
Supports 9-degree ROADM and FlexGrid networking
Comprehensive monitoring across service, OTN, and optical layers
Protection switching 50ms for high reliability
Supports NETCONF/YANG and GUI (B/S architecture) management

Flexible deployment with 19" rack compatibility

Applications

Deployment Scenarios
Small Networks: Point-to-point deployment with high-density optical and electrical cards
Medium / Large Networks: Multi-layer stacking with ROADM for ring network architecture

Technical Specifications

Parameter	Specification
Chassis Size	2U (88 × 446 × 450 mm)
Maximum Capacity	3.2 Tbps per subrack
Service Slots	8 slots
Cabinet Type	19" rack (?600mm depth)
Line-side Rates	100G / 200G / 400G programmable (QPSK, 8QAM, 16QAM)
Optical Modules	QSFP28 / QSFP-DD / CFP2 (pluggable, tunable)
Client Services	10GE, 100GE, 100GE FlexE, 400GE, OTU2, OTU4, STM-64
Wavelength Capacity	Up to 96 channels (50 GHz grid)
Frequency Range	191.35 – 196.1 THz
Protection	OLP, OMSP, OCHP, SNCP
Power Supply	AC / DC / HVDC, 1+1 redundancy

Cooling	Front-to-back airflow, 2+1 fan redundancy
Power Consumption	800W
Operating Temp	0°C to +40°C (long term)
Storage Temp	-40°C to +70°C

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