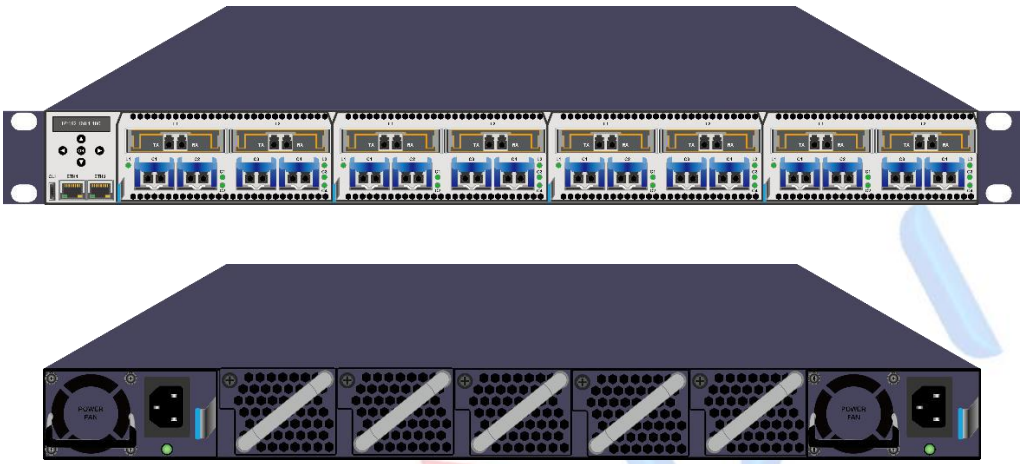
OTNS8600-DCI4 Stackable Super 100G WDM Platform

OTNS8600-DCI4 is the stackable super 100G WDM transport platform developed by Sintai Communication for Data Center Interconnection (DCI) scenarios, with outstanding features of high capacity, small size, low power consumption and cost-effective. Equipped with only 1RU height, the device supports the maximum transmission capacity of 1.6Tbps (16*100G), and can provide 25.6Tbps transmission capacity through a single fiber by device stacking. It can meet the fast-growing bandwidth demand between DCs, realize flexible deployment of equipment, create an open optical network architecture, and lead the DCI market into a new era of high-speed all-optical interconnection.



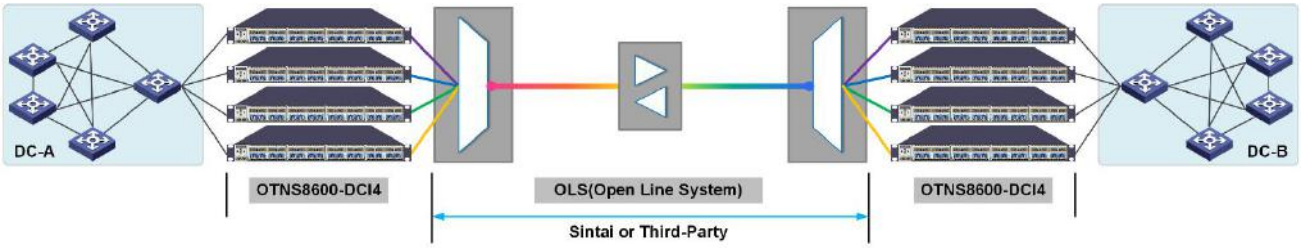
OTNS8600-DCI4

Features of OTNS8600-DCI4 Stackable Super 100G WDM Platform

- With modular platform design, electrical layer processing, optical layer processing, fan, power supply and main control are all modular and support hot-swappable.
- Four service slots are available, no complex centralized electrical crossover system, all service processing is done inside the card, deployed and expanded on demand.
- The optical layer service card is highly integrated with OTDR, OCM, OLP, OSC, OA and other functional modules, and only 1 optical layer single card is required in each direction.
- The electrical layer adopts single-wave 200Gbps and 400Gbps rates, and each electrical layer service card can support 400G transmission capacity.
- Single Equipment supports up to 1.6 Tbps service side access and 1.6 Tbps line transmission, increasing the single fiber transmission capacity to 64×400Gbps in C-band.
- Support 100GE and OTU4 service access, RS-FEC (100GE) and GFEC (OTU4).
- Support comprehensive performance monitoring on service side and line side.
- Support CLI, Web GUI, SNMP and NETCONF management methods.
- Support visual O&M (Operation and Maintenance), with O&M information displayed via LCD screen.
- Support dual power supply configuration, 1+1 hot backup by load share, support AC, DC and HVDC power supply.
- Adopt the cooling design of front air inlet and rear air outlet, and provide 4+1FRU fan units.

Add.: 4F, Scientific Building, No. 63 Punan Road, Huangpu District, Guangzhou, China, 510530.
Tel: +86 20-82037001 Fax：+86 20-82553470 E-mail: sales01@sintai.com.cn
Follow Us

Application Scenario of OTNS8600-DCI4 Stackable Super 100G WDM Platform



Specification of OTNS8600-DCI4 Stackable Super 100G WDM Platform

Function	Description	Note
Equipment dimension	1U: 44 mm (H)×442 mm (W)×600 mm (D)	
Installation	19'' server cabinet	
Service slot	4 slots	
No. of single service card ports	Line side: 2*CFP2 pluggable, supports CFP2 DCO wavelength tunable Service side: 4*QSFP28 pluggable, supports QSFP28 SR4/LR4/CWDM4	
Transmission capacity of single service card	400Gbps	
Max transmission capacity of single Equipment	1.6Tbps (16*100G)	
Supported service types	100GE, OTU4	
Supported FEC type	● OTU4: ITU G.709 GFEC ● 100GE: IEEE Clause 91 RS-FEC	
Performance monitoring	Supports service side and line side comprehensive monitoring of layer L1 and layer L2	
Power supply	Dual power supply 1+1 backup	
Types of power supply	● AC: 100 V AC to 130 V AC (50/60 Hz) 200 V AC to 240 V AC (50/60 Hz) Max voltage range: 90 V AC to 264 V AC (47 Hz to 63 Hz) ● HVDC: 192 V HVDC to 288 V HVDC ● DC: – 40 V DC to –72 V DC	
Management ports	● 2*RJ-45 electrical interfaces (10/100/1000M self-adaption) ● 1*micro-USB serial port	
Management method	Supports CLI, Web GUI, SNMP and NETCONF	
O&M features	LCD display for O&M	
Heat dissipation	Front air inlet and rear air outlet, 5 groups of hot-swappable fan units	
Power consumption	<600W (typical)	
Working temperature range	0℃~45℃ (typical)	
Working humidity range	5~85% no condensation	