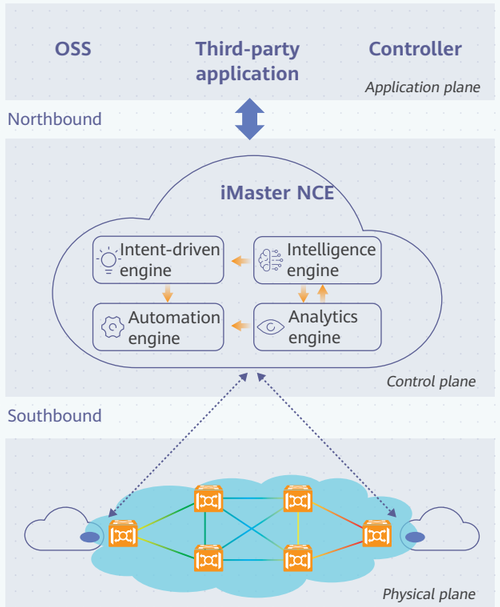
Advanced Intelligence: AI Ready and Proactive O&M

Fiber fault prediction with fast and accurate and quick troubleshooting



Service Agility

Controllers utilize advanced algorithms to automatically map and provision services, reducing TTM from weeks to minutes.

Resource Visualization

Real-time visualization of network information delivers full network insight.

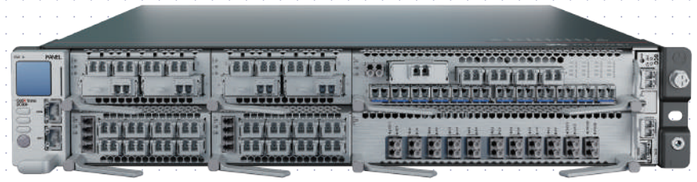
Automatic O&M

Network survivability analysis enables service risk prediction.

Product Specifications

Parameter	Description	
Dimensions (H x W x D)	86.1 mm x 442 mm x 500 mm	
Applicable cabinet	19–inch cabinet	
Maximum capacity	12.8 Tbit/s	
Maximum number of slots for service boards	8	
Maximum number of wavelengths	Super C band:120 wavelengths @ 50 GHz; L band Ready	
Service type	10GE, 25GE, 40GE, 100GE, 400GE, OTU4, OTU2, OTU2e, STM-64, FC800, FC1200, FC1600, FC3200, 10GE WAN	
Line rate	100 Gbit/s, 200 Gbit/s, 400 Gbit/s, 600 Gbit/s, 800 Gbit/s	
Pluggable optical/electrical module	QSFP28, QSFP+, QSFP-DD, SFP+, SFP28	
Management interface	CLI, GUI, SNMP, iMaster NCE-T, NETCONF	
Power Supply	AC: 100V AC - 130V AC (50/60Hz) 200V AC - 240V AC (50/60Hz)	DC: -48VDC to -60VDC High-voltage DC: 240V HVDC

Intelligent OptiXX Network



OptiXtrans DC908

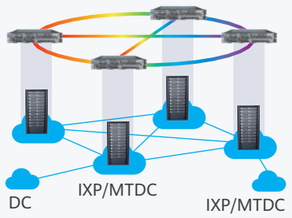
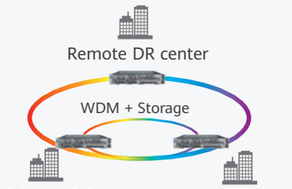
Intelligent Data Center Interconnect, From the Optical Industry Leader

The Huawei OptiXtrans DC908 is an optical-electrical wavelength division multiplexing (WDM) transmission device designed for Data Center Interconnects (DCIs). Built to withstand the toughest challenges of the intelligent era, the OptiXtrans DC908 features simplified deployment in just eight minutes, ultra-broadband and high integration (smooth upgrade to 88 Tbit/s per fiber for the next ten years), and intelligent, AI ready, proactive operations and maintenance (O&M).

Huawei OptiXtrans DC908 can be widely applied in highly digitalized industries and enterprise DCI scenarios, such as OTT providers, MTDC, IXP, finance, education, government, healthcare, energy, transportation, and manufacturing.

HUAWEI

Typical Application Scenarios

Application Scenario	Small-sized networks	Medium- and large-sized networks	Disaster recovery
Typical Networking	Point-to-point/Ring DWDM One OptiXtrans DC908 = High-density electrical-layer device + FOADM + OLA 	Mesh High-density DCI + ROADM + iMaster NCE-T 	Three centers in two cities: DWDM 

Simplified: Deployment in 8 Minutes, Low Skill Requirements

- **Optical-layer N-in-1 board: One board integrates the functions of multiple traditional optical-layer boards, simplifying the optical layer by reducing fiber connections by 90%.**

OL: FOADM Line board

- 5U, 2 slots
- XFIU + ST2 + OPM + 2*OA @1 board

UMD40/MD60: 40/60-channel multiplexer board with VOA

- 10U, 4 slots
- 40 λ@75GHz/60 λ@50GHz
- Odd:M60/40V + D60/40 + ITL @1 board
- Even: M60/40V + D60/40@1 board

EMR8: enhanced 8-channel optical add/drop multiplexer board

- 5U, 2 slots
- XFIU + ST2 + 2*OA + MR8 @1 board
- 1 board = 1 OTM site (8 λ)

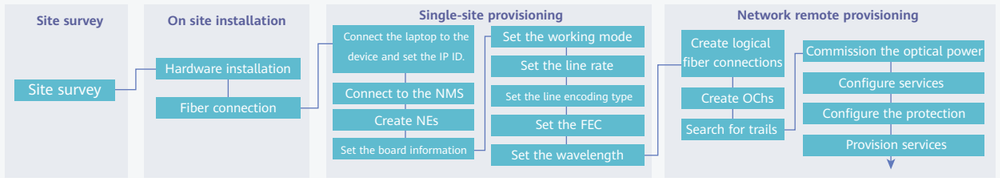
OPC: Universal pluggable module board

- 5U, 2 slots
- 4 pluggable optical modules
- Supporting OLP (VOA included)
- Coupler functioning as OLP and OMSP boards

- **One-click automatic deployment reduces the configuration and commissioning duration from days to minutes.**

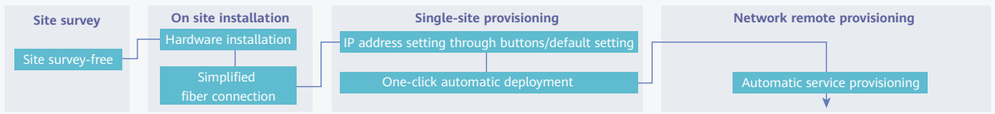
Before (8 days, multiple site visits)

*Case from OTT T**



1 day vs 0 day | 3 day vs 1 day | 2 day vs 0 day | 2 day vs 8 mins

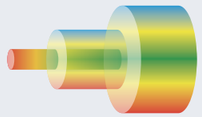
After (1 day, 1 site visit)



Ultra-High Bandwidth and Integration: 88T/Fiber, No Need to Lease Fiber for the Next Ten Years

- **100G–800G programmable, Super C+L ready, smoothly evolve to 88T/fiber, continuous evolution and improvements.**

Continuous single-fiber capacity improvement



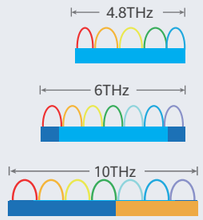
100G/200G/400G/600G/800G

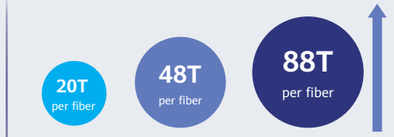
One optical platform for the next five years of evolution

Extended C band
96λ @50GHZ

Super C band
120 λ @50 GHz,
80 λ @75 GHz

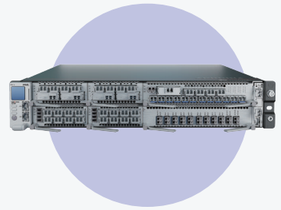
Super C + L band(Ready)
220 λ @50 GHz

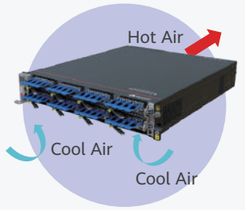




200G @C 96 Industry avg level | 400G/600G @Super C | 800G@ Super C+L(Ready)

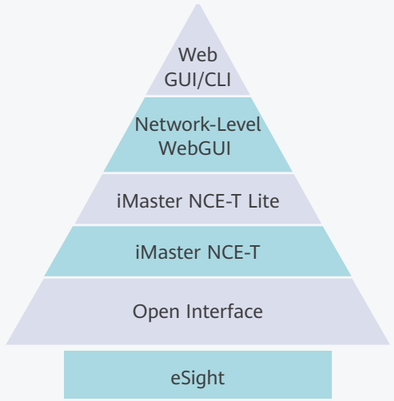
- **Optical-electrical integration: Optical-layer and electrical-layer boards are deployed in the same subrack, halving the required space.**





Advanced Intelligence: AI Ready and Proactive O&M

- **Diverse management and control solutions match various network scales, and small DCI networks are free from server configuration.**



An option for every scenario

Type	Typical Application	Deployment Mode
Web GUI/CLI Network level Web GUI	Mini-sized ISP Small enterprise/ campus/hospital	Server-free
iMaster NCE-T Lite	Medium-sized DCI network	Simplified configuration server
iMaster NCE-T	Large-sized DCI network	Server
Open Interface	Large-size and self-built integrated NMS/OSS	NETCONF/YANG
eSight	Finance industry, DCI for DR	Server

Flexibly defined management and control solutions based on various network scales