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OSN 3500



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Optical Transmission System SDH Equipment Huawei OptiX OSN 3500

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Supply Ability:2000 Set/Sets per Month

Port:Shanghai

Payment Terms:L/C,T/T,Western Union,MoneyGram,Paypal

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Verified Supplier - Combasst Industry Development (Shanghai) Co., Ltd.

China (Mainland) | Manufacturer, Trading Company | [Contact Details](#)

Experience: Established 2001

Performance: [79.9%](#) Response Rate

1 Transaction for US \$1,000+ in 12 months

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MSAN & IP DSLAM

xDSL Series

Product Detail

Supplier's Transaction History

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Quick Details

Place of Origin: China (Mainland)	Brand Name: Huawei	Model Number: OSN 3500
Type: Optical Transmission System	Processing board Number: 15	Interface board Number: 16
Packet transport interfaces: E1, ch STM-1, ATM STM-1, FE/GE/10GE	MSTP interfaces: Support	PCM interfaces: Support FXS/FXO, 2/4 wire/E&M V.35/X.21/V.11/V.24/V.28, RS232/422
WDM interfaces: Support 40-channel DWDM interfaces/8-channel CWDM interfaces	Power Supply: -38.4~ -72V DC; 110/220V AC (External module)	Operation Environment: 0°C ~ 45°C 10% ~ 90%
	Subrack Dimensions(H*W*D): 722 mm x 497 mm x 295 mm	

Packaging & Delivery

Packaging Details:Original Huawei carton package

Delivery Detail:Within 7 days after the receipt of the payment

Optical Transmission System SDH Equipment Huawei OptiX OSN

http://combasst.en.alibaba.com/product/60130441749-219935643/Optical_Transmission_System_SDH_Equipment_Huawei_OptiX_OSN_3500.html

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FTTx
Optical Transmission
SFP Modules
WDM
Network Switch
Router
WLAN
VOIP series
Storage
Firewall
Server
Fiber Optical Multiplexers
Protocol Convertor
Ungrouped

Main Products



Huawei Microwave Radio RTN910 IDU a...



Huawei Microwave Radio RTN910 IDU t...



Huawei Microwave Radio RTN910 trans...



ADVA FSP 3000 Scalable DWDM&CWDM Fi...

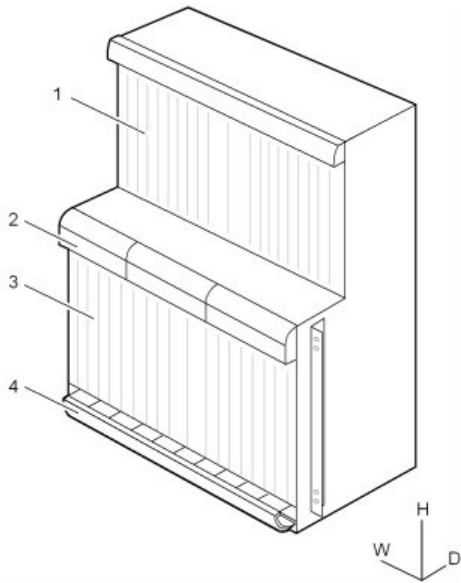
3500

To meet the growing demands of Metropolitan Area Networks (MANs), Huawei has developed the OptiX OSN 3500—next-generation intelligent optical transmission system. Primarily used at the metropolitan convergence and backbone layer, the OptiX OSN 3500 incorporates an intelligent optical transmission platform and core optical transmission system to schedule and transmit services of different types and granularities. Leveraging "universal switch" architecture, the OptiX OSN 3500 can be used in packet or Time Division Multiplexing (TDM) mode. Combined with other Huawei equipment, the OptiX OSN 3500 supports various networking applications, such as pure packet mode, hybrid networking (packet and TDM mode overlay networking), and pure TDM mode. A proper networking solution can optimize both data and conventional Synchronous Digital Hierarchy (SDH) service processing.

1.Appearance



2.Structure



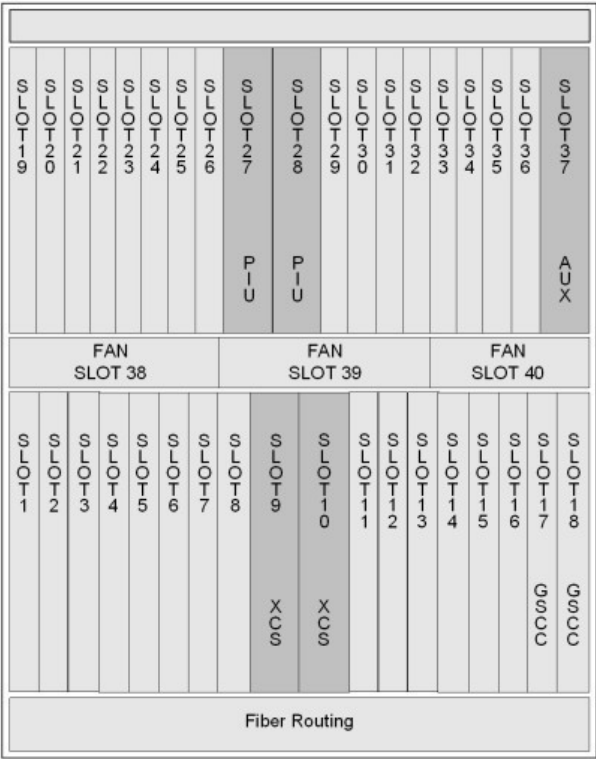
1. Slot area for interface boards	2. Fan area	3. Slot area for processing boards	4. Fiber routing area
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The functions of these areas are as follows:

- Slot area for interface boards: This area is used to house the interface boards of the OptiX OSN 3500.
- Fan area: This area is used to house three fan modules, which dissipate the heat generated by the equipment.
- Slot area for processing boards: This area is used to house the processing boards of the OptiX OSN 3500.
- Fiber routing area: This area is used to route fibers in the subrack.

3.Slot Allocation

The OptiX OSN 3500 subrack consists of the upper layer and the lower layer. The upper layer, where 19 slots are available, is the slot area for interface boards. The lower layer, where 18 slots are available, is the slot area for processing boards.



Slot Area for Interface Boards

Slots for the interface boards: slots 19-26 and 29-36

Slot Area for Processing Boards

Slots for the processing boards: slots 1-8 and 11-17

Other Slots

- Slots for the cross-connect and timing boards: slots 9-10
- Slots for the SCC boards: slots 17-18 (slot 17 can also house a processing board)
- Slots for the PIU boards: slots 27-28
- Slot for the auxiliary interface board: slot 37
- Slots for the fan boards: slots 38-40

4.Product Feature

Large switching capacity

- 200G high order, 20G low order

High integration

- Subrack dimensions 722mm (H) x 497mm (W) x 295mm (D), 15 slots for processing boards and 16 slots for interface boards

Flexible networking capacity

- Supports Mesh networking with plug-and-play network nodes
- Supports dynamic increase of rate and capacity
- Supports various networking topologies, including chain, ring, tangent rings, intersecting rings, etc
- Supports maximum 2 STM-64 four-fiber MSP rings, 4 STM-64 two-fiber MSP rings, 11 STM-16 four-fiber MSP rings, 12 STM-16 two-fiber MSP rings

Carrier-class protection

- Mesh Protection and restoration(ASON)
- Distributed restorable rerouting protection
- 5-level service dedicated protection scheme based on different SLA: Diamond, Gold, Silver, Copper and Iron services
- SDH Network Protection
- 2/4 fiber MSP Ring; 1+1, 1: n Linear MSP; SNCP/SNCMP/SNCTP; Fiber shared virtual path protection; Fiber shared MSP Ring; DNI (ITU-T G.842)
- Service Protection
- Ethernet: RPR, RSTP
- ATM: VP-RING/VC-RING

Highly reliable design

- 1+1 hot backup for system control boards, cross-connect and synchronous timing boards
- 1+1 hot backup for power supply modules
- Redundancy protection for fan modules
- TPS protection
- 1:n tributary protection for E1/T1/E3/T3/ E4/STM-1(e)/FE

Enterprise-focused Features

- Intelligent ASON based Mesh network can against multi-node failures, improving network reliability by 10 times
- Built-in PCM for real All-in-One solution to access low speed services for enterprise customer
- Single-span transmission for a distance of 270km without a Raman amplifier, fewer REGs to reduce the network construction cost and facilitate the maintenance
- Specified 2M optical interface to support direct connection between MSTP equipment and relay protection device, lower risk and higher reliability

Industry Certification

- Pass EN 50121-4 Railway EMC certification.

5.Specification

System Features	
Subrack dimensions	722 mm (H) x 497 mm (W) x 295 mm (D)
Switching	Packet: 160 Gbit/s and TDM: 200 Gbit/s (higher order), 20 Gbit/s (lower order)

capacity			
Service slots	15 slots for processing boards and 16 slots for interface boards		
Highly reliable design	1+1 hot backup for power supply modules, system control boards, cross-connect and synchronous timing boards Redundancy protection for fan modules		
Supported interfaces	Packet transport interfaces	E1, ch STM-1, ATM STM-1, FE/GE/10GE	
	MSTP INTERFACES	STM-1/4/16/64, E1/E3/E4/T1/T3, FE/GE/10GE, DDN, IMA/ATM, FEC/EFEC interface, E1 optical interface, SAN, Video	
	PCM interfaces	FXS/FXO, 2/4 wire/E&M V.35/X.21/V.11/V.24/V.28, RS232/422	
	WDM INTERFACES	40-channel DWDM interfaces, compliant with ITU-T G.694.1 8-channel CWDM interfaces, compliant with ITU-T G.694.2	
Networking Mode	Supporting pure packet,hybrid (packet + SDH) or SDH networking Supporting WDM Supporting single-fiber bidirectional transmission		
Power Supply	-38.4~ -72V DC; 110/220V AC (External module)		
Operation Environment	Temperature Relative Humidity Long term: 0°C ~ 45°C 10% ~ 90% Short term: -5°C ~ 55°C 5% ~ 95%		
Packet Transport Features			
Service features	E-Line and E-LAN QinQ MPLS-TP based VPWS and VPLS Multi-section pseudo-wire (MS-PW) TDM PWE3: CESoPSN and SAToP, compression of idle timeslots ATM/IMA PWE3 ETH PWE3 IGMP SNOOPING V2 Blacklist, Broadcast packet suppression, ACL VLAN SWAP		
QoS features	Hierarchical QoS scheduling and traffic shaping DiffServ mode based on traffic classification Simple traffic classification, complex traffic classification, per hop behavior (PHB), and ACL Committed access rate (CAR) PQ scheduling priority, weighted fair queuing (WFQ) and PQ+WFQ queuing Tail drop and weighted random early detection (WRED) Eight priority queues Shaping based on port scheduling priority		
Hardware-based OAM	MPLS OAM	LSP/PW OAM: FDI, BDI CV, FFD, TraceRoute, Ping CES PW VCCV LM, DM	
	MPLS-TP OAM	LSP/PW OAM:	Section OAM: CC, LB

		CC, LB, LT AIS, RDI LM, DM LCK, TST CSF	RDI LM, DM LCK, TST
	Ethernet OAM	ETH-CC(Continuity Check),ETH-Loopback,ETH-Link Trace Remote Loopback,Remote Fault Detection	
	ATM OAM RMON(RFC 2819) Flexible design with multiple protocols		
Carrier-class protection	LSP/PW Linear protection MPLS-TP Ring protection Anti multifailure protection based on MS-PW Link aggregation group (LAG) protection Multi-chassis link aggregation group (MC-LAG) protection Dual-homing protection LPT STP/RSTP/MSTP IMA protection 1+1 and 1:1 Linear MSP		
Clock synchronization	Two external clock inputs/outputs (2 MHz or 2 Mbit/s) Two external time signals(1pps+TOD) Adaptive clock recovery (ACR) Synchronous Ethernet IEEE 1588v2		
MSTP Features			
Carrier-class protection	Mesh Protection and restoration(ASON) Distributed restorable rerouting protection 5-level service dedicated protection scheme based on different SLA: Diamond, Gold, Silver, Copper and Iron services SDH Network Protection 2/4 fiber MS-SP Ring; 1+1, 1:n (n<=14) Linear MSP; SNCP/SNCMP/SNCTP; Fiber shared virtual path protection; Fiber shared MS-SP Ring; DNI (ITU-T G.842) Service Protection Ethernet: RPR, RSTP, LAG/DLAG/PPS/BPS ATM: VP-RING, PPS/BPS Electrical Interface Protection 1:N tributary protection for E1/T1, E3/T3, E4, STM-1(e) and FE		
Multi-service Transport Features	Ethernet Over SDH GFP/LAPS/VCAT/LCAS L2 switch, 64 aggregation directions for powerful Ethernet convergence Mapping granularity, VC-12-nv/VC-3-nv, and VC-4-nv Point to Point LPT, Point to Multi-point LPT MPLS and Stackable VLAN for L2 VPN 4/8-level CoS, CAR based on 64K granularity		

	IEEE 802.3ah, 802.1ag RPR Automatic topology discovery 3-level CoS , A(A0/A1) / B(B-CIR/B-EIR) / C Steering/Wrapping/Steering + Wrapping protection scheme guarantee 50ms switching Spatial reuse of bandwidth with fairness algorithm Integrated MPLS with RPR to provide VLL/VPLS serv ATM Support 2M, 34M, 155M, 622M ATM and IMA E1 support up to 93 IMA group & 189 E1s Others Support FC/ESCON/DVB-AS/ HD-SDI/SD-SDI Support DDN(Nx64K) and Framed E1	Communicate with Supplier  What can I do for you? Contact Supplier Elaine Qu
Clock synchronization	Two external clock inputs/outputs (2 MHz or 2 Mbit/s)	
	Line clock source	
	Tributary clock source	

6.Other product information

Trade Information

- 1) Trade terms: FOB,CIF,CFR,etc
- 2) Price Terms: L/C,D/P,T/T,Western Union,PAYPAL
- 3) Payment Terms: T/T in advance
- 4) Port: Shanghai
- 5) Lead time: Within 7 working days after receipt payment.
- 6) Shipment: Express, Air, Sea
- 7) Sample availability: Yes(not free)

After-Sales Service

- 1) We can provide detail documents and remote help for device installation and configuration.
- 2) Warranty: 1 year. (After the quality guarantee period began to charge appropriate maintenance service fee.)
- 3) Our company promises goods enjoy full return due to quality problem since goods delivered within 7 days or 15 days , returned goods must keep original state and it's accessories are complete.

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To: Elaine Qu

*Message:

Enter your inquiry details such as product name, color, size, MOQ, FOB, etc.

Your message must be between 20-8000 characters

Quantity: 1 Set/Sets

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