

Network Management System Chassis



Support DWDM with each channel 200G/400G, Up to 3.2Tbps Capacity, Redundant AC PSUs



Features

- 19" Chassis Unit 4 to 32 slots selection
- Deliver Multiple Rates 10G/100G/200G /400G
- Up to 400 Gb/s per Wavelength for 3.2T
- Dual Redundant Backup for NMU
- Dual Redundant Power Supplies
- Support Optical/Electrical Integration
- Enhance Simple Management via NMS600
- For DCI, Metro, Regional and Long-haul
- Compact Size
- Low Cost

Applications

- DCI, Metro, Regional and Long-haul

The RMTP4800 Rack Mount Chassis Transmission Platform is a high-capacity, streamlined OTN hardware solution designed for provincial backbone networks, metropolitan core layers, and other large-scale transport environments. Supporting node capacities of 3.2T and beyond, it provides a cost-effective foundation for large-granularity DWDM transmission, making it well suited for IDC and ISP operators. The RMTP4800 series supports 200G and 400G wavelength division transmission, delivering high capacity in a compact form factor with low power consumption. It integrates seamlessly with the NMS600 network management system and supports WebGUI, CLI, and SNMP interfaces, enabling simplified, automated operation while improving data security and overall network efficiency. This makes it an effective solution for DCI, metro, regional, and long-haul optical networks. The platform is available in chassis sizes ranging from 1U to 8U and supports a broad range of plug-in modules, including transponders, muxponders, EDFAs, DWDM MUX/DEMUX units, OTDR, OPM, and optical line protection switches (OLP), along with power supply and fan modules. Designed for high reliability and scalability, it features dual main control cards and dual power supplies with automatic failover to ensure uninterrupted operation in demanding environments. Each 1U chassis provides four slots within a standard 19-inch rack width and supports optical-electrical integration with a maximum power capacity of 1000 W. It includes 1+1 redundant DC power supplies and supports main control redundancy. The system can deliver up to 3.2 Tbps of transmission capacity within just 2U of rack space.

Specifications

Parameter	Mini	Typical	Max	Unit
CPU (4 Core)		>2		GHz
Hard Disk		500		GB
RAM		16 GB		GB
Network Elements		500		
Operating Systems	Linux Ubuntu 22.04/20.0			
Deployment Method	KVM (QCOW2), Vmwave (OVA, OVF)			
Browser	Chrome 98, Edge 98, Firefox 94			
Power Consumption		400	1200	W
Operating Temperature	0		+50	°C
Storage Temperature	-20		+70	°C
Humidity	< 95% Non-Condensing			



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DATASHEET

Web GUI Management Example (NMS)

Slot M

Hardware Version	1.8	Software Version	5.91	Card ID Code	0001
Production Date	Dec 13 2025	SN	1234660		
Card PN	OTN-ZU1	Description	OTN Management system1		

Port	Link Status	Speed/Duplex
LAN1	Down	10M Full
LAN2	Up	100M Full
LAN3	Down	10M Full
LAN4	Down	10M Full

port Describe	SFP1	SFP2
Status	On	Removed
Link Status	Down	---
LOS state	Abnormal	---
Speed	100M	---

Web GUI Management Example (OLP)

Slot 10

Hardware Version	1.00	Software Version	5.51	Card ID Code	0202
Production Date	2000.00.00	SN	202312291662		
Card PN		Description			

Status information				
Port	Wavelength(nm)	Power(dBm)	Threshold(dBm)	Status
Rx	1550	-50.00	-30.00	Abnormal
Tx	1550	-50.00	-25.00	Abnormal
R1	1550	-50.00	-30.00	Abnormal
T1	1550	-50.00	-30.00	Abnormal
R2	1550	-46.88	-30.00	Abnormal
T2	1550	-50.00	-30.00	Abnormal

Temperature(°C)(°C)	29.75	Temperature Threshold(°C)	60.00	Temperature(°C)Status	Normal
Operating Mode	Auto	Return Method	Auto Back		
Manual To Auto(s)	10	Return Time(s)	10	(> 5s)	

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Web GUI Management Example (OLP)

Hardware Version	655.35	Software Version	5.33	Card ID Code	0107
Production Date	2255.255.255	SN	MUX23090		
Card PN	OEO400G-05U	Description	OTN Management system		

Port	SFP28				QSF28			
	SFP28-1	SFP28-2	SFP28-3	SFP28-4	CH1	CH2	CH3	CH4
Link Status	Down	Down	Down	Down	Down			
Frequency(GHz)	---	---	---	---	---			
Wavelength(nm)	---	---	---	---	1310.00			
Tx Power(dBm)	---	---	---	---	1.61	1.68	1.67	1.27
Rx Power(dBm)	---	---	---	---	-40.00	-40.00	-40.00	-40.00
Rx Threshold(dBm)	-10	-15	-15	-15	-15			
ALS Mode	OFF	OFF	OFF	OFF	OFF			
ALS Interval Time(s)	65535	65535	65535	65535	100			

Ordering Information (Part Number)

	4800	1	1	1	<input type="checkbox"/>	1
Prefix	Model	Voltage				
RMTP-		110V = 1 220V = 2				