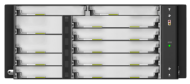
OptiX OSN9800 M Brochure

OptiX OSN 9800 M Series

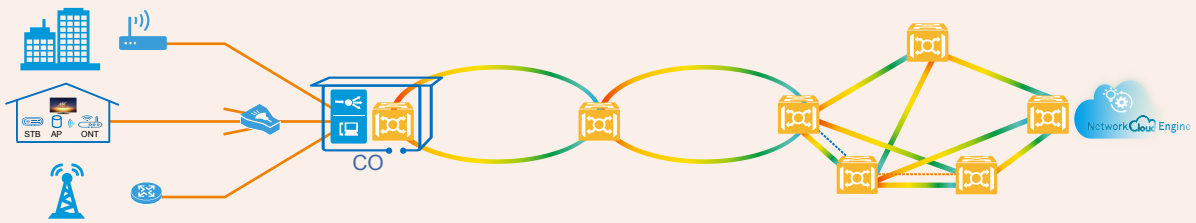
M series is the next-generation flagship WDM product that features ultra-large capacity, highest integration, optical-electrical convergence, and high flexibility and efficiency. This product can be deployed at the backbone, metro, and access layers to foster the rapid development of all services and achieve the optimal per-bit TCO with limited site resources (such as space and power)

OSN 9800 M24

OSN 9800 M12



OSN 9800 M05



From Access to Backbone, E2E 100G+ OTN with NCE-T

Smart Design, Flexible Deployment

- M24 is 16.5 U high, M12 is 7.8U high, and M05 is 4.5 U high.
- Innovative slot splitting, flexible configurations of 5.5 U and 11U boards on demand.
- 5.5U boards feature a small size and low power consumption.
- 11U boards are interchangeable with boards of OSN 9800 U series.

Optical-Electrical Convergence, Ultimate Capacity

- Converge optical and electrical, integrate PKT/VC/OTN 3 in 1, applicable to various scenarios.
- Support a maximum of 384 x 100GE per cabinet, the industry's highest ponder integration.
- Super speed, 100G~600G programmable, deliver industry-leading performance.
- Extend traditional spectrum to Super C-Band, 120 wavelengths@50 GHz, an industry-leading capacity of 48 Tbit/s per fiber.

Future-proof Design Smooth Evolution

- Adopt an innovative architecture design with management, control, planning and analysis to support NCE-T smooth evolution.
- Supper B2B clusters to double the XC capacity and make flexible traffic switching between 2 subracks.
- Provide IEEE 1588v2 clock to satisfy the clock precision requirements of 5G networks.

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Specifications		OSN 9800 M24	OSN 9800 M12
Dimensions (WxDxH)		442×295× 747mm (16.5U)	442×295× 347mm (7.8U)
Number of Service Slots		12 pcs 11U Cards/24pcs 5.5U cards	12pcs (master) /13psc (slave)
OTN Cluster		Support	Support
Switching Capability		OTN：4.8T/10T	N/A
		SDH：1.92T/1.6T HO，80G LO	
		PKT：2.4T/4.0T	
PONDER		100G~600G, Programmable	
Line Rate		10G/100G/200G/400G/600G	
Wavelength Range		1524.50~1572.06nm (include C and Super C-Band)	
Max Wavelength per fiber		Fixed Grid: 120 λ@50GHz Flex-Grid: the max λ is related to FLEX channel spacing	
Max Access Ports per sub-rack	10GE/OTU2	360	96/240
	100GE/OTU4	144	48/72
	200GE	48	24
	400GE	24	12
Service Types		SDH/SONET, Ethernet, SAN, OTN, Video	
Topology		Point-to-point, chain, star, ring	
Easy OAM		ALS, AGC, IPA	
		Optical Doctor(OD), Fiber Doctor (FD)	
NCE-T		IP+Optical, BOD,OVPN, Automation	
Synchronization		Sync-E, IEEE 1588v2, ITU-T G.8275.1/G.8273.2	
Installation Rack		ETSI/19 inch rack, ETSI 300/600mm rack	
Heat Dissipation		FAN	
Power Supply		-48V DC/-60V DC	
Operation Environment		Temperature: 0°C to 45°C Relative humidity: 5% to 85%	