



OptiX OSN 1800 series provide a truly seamless integration of technologies, serving high-bandwidth packet, OTN and TDM transport application at the edge/aggregation point for metro networks.



OSN1800I Compact
(1U)

OSN1800I Enhanced
(1U)

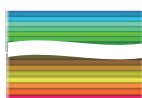
OSN1800II Compact
(2U)

OSN1800II Enhanced
(2U)

OSN1800V (5U)

Huge Bandwidth

16T over one pair fiber



80λ×200G

Mini Size

1U/2U/5U fit for outdoor cabinets



One Platform

Mobile + Fixed broadband
+ Leased line service



One Transport Platform

Specifications		OptiX OSN 1800 I Compact	OptiX OSN 1800 I Enhanced	OptiX OSN 1800 II Compact	OptiX OSN 1800 II Enhanced	OptiX OSN 1800 V
Dimensions (HxWxD)		44x442x220mm	44x442x220mm	88x442x220mm	88x442x220mm	221x442x224mm
Number of Service Slots		3 slots per cabinet (DC) 1 slots per cabinet (AC)	2 slots per cabinet (DC)	7 slots per cabinet (DC) 5 slots per cabinet (AC)	6 slots per cabinet (DC)	15 slots per cabinet (DC) 12 slots per cabinet (AC)
Switching Capability		N/A	120G@128B SDH:30G(high-order) 5G (low-order)	N/A	OTN: 200G ODUk (k=0, 1, 2, 2e, Flex) Packet: 160G@128B SDH: 50G (high-order) 20G (low-order)	OTN: 700G ODUk (k=0, 1, 2, 2e, 3, 4, Flex) Packet: 700G SDH: 280G (high-order), 40G (low-order)
Number of Wavelengths (Max.)		CWDM: 8 wavelengths; DWDM: 80 wavelengths				
Wavelength Range		CWDM: 1471-1611 nm (Band S+C+L, ITU-T G.694.2) DWDM: 1529.16nm ~ 1560.61nm (Band-C, ITU-T G.694.1)				
Rate per Wavelength (Max.)		200G (OTUC2)				
Client Side	Service Type	Full service accessing rate from 2M to 200G, including SDH service, PDH service, OTN service, Ethernet service, CPRI service, OBSAI service, SAN service, video service, and others				
	Fiber Type	MMF/SMF/DSF (ITU-T G.651/G.652/G.653)				
	Plug	SFP, XFP, SFP+, QSFP+, QSFP28, CFP, CFP2				
OTN-Side	Interface Type	OTU-1/OTU-2/OTU-4/OTUC2(ITU-TG.709)				
	Fiber Type	SMF (ITU-T G.652)/ DSF (ITU-T G.653)				
	Plug	SFP/XFP/CFP				
Topology		Point to point, chain, star, ring				
Synchronization		2Mbit/s or 2MHz, SSM supported Ethernet Syn,1588V2				
Redundancy and Protection	Equipment	PIU 1+1 Universal switching fabric1+1				
	Network	OTN:Built-in line side 1+1, Optical line side 1+1, Client SNCP, ODUk SNCP PKT:LAG, ERPS, PW APS/FPS, MCLAG SDH: VCx SNCP, MSP				
Installation Rack		19/23 inch rack, ETSI 300mm/600mm rack				
Operating Temperature		-5°C to 55°C				
Heat Dissipation		Fan				
Relative Humidity		5% ~ 95%				
Power Supply		110V/220V AC, -48V/ -60V DC				
Power Consumption (Typical Configuration)		100W	150W	200W	360W	1000W