nex·gen

OTN SYSTEMS WDM PLATFORMS

OTN WDM Chassis, 1U, 4 slots (rear power)

This compact 1U OTN WDM transport chassis provides four service-card slots with a rear power and cabling layout, bringing the OTN WDM platform to space-constrained aggregation and access sites. It carries up to 400G per wavelength across DWDM and CWDM networks, with carrier-grade optical protection, unified network management and flexible AC/DC power supply options.



HIGHLIGHTS

Four-slot aggregation chassis

Hosts up to four service cards, muxponders, transponders and optical amplifiers, each carrying up to 400G, within a DWDM network of up to 96 channels on a 50 GHz grid.

Simple 1U deployment

Installs configuration-free as a standard 19-inch 1U chassis, plug-and-play, with rear power and cabling, managed from a single platform via SNMP, a web GUI or the network management system.

Proven coherent 100G+ performance

Coherent detection with high-order modulation and SD-FEC delivers strong OSNR margin and,

Any-service, transparent access

Transparently transports a wide service mix from 100 Mbit/s to 400 Gbit/s, SDH/SONET, OTU,

with on-board DSP, dispersion-tolerant reach beyond 2,000 km without electrical regeneration.

Carrier-grade resilience

Optical protection at channel, multiplex-section and line level (1+1) combines with 1+1 power redundancy to protect critical links and equipment.

Ethernet, Fibre Channel, PON and CPRI/eCPRI, with low cross-connect latency.

FORMAT

WDM CHASSIS 4 SLOTS, 1U

SPECIFICATIONS

Hardware	
Rack Units	1U
Dimensions (H×W×D)	44 × 442 × 280 mm
Service Slots	4
Maximum Power Consumption	120 W (max)
Mounting	19-inch rack mount
Cooling	Fan cooling
Power Input	AC 90–260V or DC -36 to -72V, AC and DC units combinable
Power Feed	Rear

Capacity & Services	
Maximum Channels	DWDM: 96 channels (50 GHz) · CWDM: 18 channels
Maximum Single-Channel Rate	400 Gbit/s
Line Rates	1.25 / 2.5 / 10 / 25 / 40 / 100 / 200 / 400 Gbit/s
Supported Services	SDH/SONET (STM-1/4/16/64/256, OC-3/12/48/192/768) · OTU-1/2/3/4 · Ethernet FE/GE/10GE/25GE/40GE/100GE · Fibre Channel 1G–32G · EPON/GPON · CPRI 1/2/3/6/7/10, eCPRI
Clock	IEEE 1588v2 pass-through

Network & Resilience	
Network Topologies	Point-to-point, chain, ring, mesh
Network-Level Protection	Optical channel 1+1 · optical multiplex section 1+1 · optical line 1+1
Device-Level Protection	Power supply 1+1 redundancy (dual-unit configurations)
Network Management	SNMP · web GUI · network management system

Environmental	
Operating Temperature	-5 °C to +50 °C
Operating Humidity	5–95 %, non-condensing
Storage Temperature	-40 °C to +85 °C

ORDERING INFORMATION

NAME	OTN WDM Chassis, 1U, 4 slots (rear power)
DESCRIPTION	OTN WDM chassis, 1U 19-inch, 4 service slots, rear power feed. Carrier-grade DWDM/CWDM transport up to 400G per wavelength (96 DWDM channels, 50 GHz) with 1+1 optical protection and SNMP / web / NMS management.
PART NUMBER	**WDM-OTN**[- **M**]-B[- **{PSU}**]-4S-1U

-M Present when a Network Management Card (NMC) is included with the chassis; omit "-M" entirely to order without one

{PSU}

CODE	MEANING
DC	One DC power supply unit
AC	One AC power supply unit
AD	One DC + one AC unit, mixed
2D	Two DC units, 1+1 redundant
2A	Two AC units, 1+1 redundant

Omit this segment entirely to order with no power supply fitted.

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nexgen.eu · customer.service@nexgen.eu