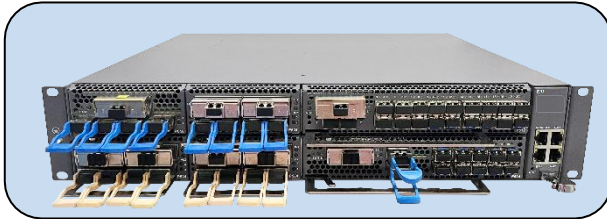


X8600-DCI8

Stackable Flexible
WDM Transmission Platform



Applications

- Advanced optical networks and data center interconnections
- 10GE, 100GE, 100GE FlexE, 400GE, STM-64, 10GE WAN, OTU2, OTU4 and others support
- Integrated with OA, WSS, VOA, OSC, OTDR, OCM, OLP, etc.
- A single platform provides solutions for small and large networks
- Medium/large network: Multiple electrical layers stacked and combined with multi-dimensional ROADMs to form a ring network (high traffic requirements)

Features

- Modular Design, hot-plugging, on-demand deployment and expansion
- Front-air and rear-air cooling, with 2+1 FRU fan units, automatic speed adjustment
- It can be installed in a 19" depth cabinet
- Transmission Capacity up to 25.6 Tbit/s per fiber pair - 64 ch @ 400 Gb/ch with 70 GHz spacing in C band
- Single channel capacity up to 400G
- Flexible Networking: It supports 9-dimensional ROADMs networking and FlexGrid
- Performance Monitoring and quality visibility (service, OTN, optical layers)
- Multilayer network and device protection solutions provided, with protection reversal delay of less than 50 ms
- NETCONF/YANG standard open interface and a GUI management platform (based on a B/S architecture) support

Description

The X8600-DCI8 is an advanced optoelectronic integrated WDM transmission platform specifically designed for Data Centre Interconnection (DCI). It boasts several key features: High Integration (seamlessly incorporating optoelectronics, which results in a compact and efficient design), large bandwidth capacity of 25.6 Tbits per fiber, straightforward deployment, NETCONF/YANG easy operation and maintenance and robust performance. Overall, the X8600-DCI8 addresses the increasing need for high-capacity, all-optical interconnection between data centers, offering flexibility in equipment deployment and promoting an open optical network architecture.

Product Specifications

Parameter		Description
Chassis	Dimensions (H x W x D)	2U: 88 mm (H)×446 mm (W)×450 mm (D)
	Maximum capacity	3.2 Tbit/s
	Number of service card slots	8
	Applicable cabinets	19'' cabinet 600 mm or deeper
Line-side port	Rate	• 200G (PDM_QPSK) programmable
		• 200G (PDM_8QAM) programmable
• 200G (PDM_16QAM) programmable		
• 400G (PDM_16QAM) programmable		
	Optical module	Pluggable CFP2, wavelength adjustable
Client-side port	Service type	<ul style="list-style-type: none"> • 10GE, 100GE, 100GE FlexE (Unaware) • OTU2, OTU4 • STM-64, 10GE WAN
	Optical module	<ul style="list-style-type: none"> • Pluggable SFP+ • Pluggable QSFP28
Max. number of wavelengths		Fixed grid: 96 wavelengths @50 GHz
Channel spacing		Fixed grid: 50 GHz/75 GHz/100 GHz/150 GHz
Central frequency range		191.35 GHz ~ 196.1 GHz
Central wavelength range		1528.77 nm ~ 1566.73 nm
Protection function		<ul style="list-style-type: none"> • Optical line protection (OLP) • Optical multiplexed segment protection (OMSP) • Optical channel protection (OCHP)
Network management		<ul style="list-style-type: none"> • Supports main controller 1+1 backup • Supports CLI, NETCONF and B/S based GUI management platform • Support OSC based DCN communication
Power supply	Back-up	Efficient power supply with 1+1 backup
	AC	<ul style="list-style-type: none"> • Rated voltage range: <ul style="list-style-type: none"> – 100 V AC~130 V AC (50/60Hz) – 200 V AC~240 V AC (50/60Hz) • Max. voltage range: 90 V AC~264 V AC (45Hz~65Hz)
	HVDC	<ul style="list-style-type: none"> • Rated voltage range: 240 V HVDC • Max. voltage range: 192 V HVDC~288 V HVDC
	DC	<ul style="list-style-type: none"> • Rated voltage range: -48 V DC/-60 V DC • Max. voltage range: -40 V DC~-72 V DC
Heat dissipation		<ul style="list-style-type: none"> • Front inlet air and rear outlet air • 2+1 Fan units backup
Power consumption		< 1100 W (Electric layer full match)
Environment	Operating temperature	Short-term: -5°C~+45°C Long-term: 0°C~40°C
	Storage temperature	-40°C~+70°C
	Humidity	5%~95% (no condensation)

Ordering information¹

Part number	Product Description
X8600-DCI8	Stackable Flexible WDM Transmission Platform

Notes

¹ For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

Please specify any compatibility requirements at time of ordering. Standard MSA compatible pluggable components may not work or some function of these components may not be available in devices that require customized compatible devices. Pluggable components compatible with one type of communications equipment may not work in other type of communications equipment.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by XenOpt before they become applicable to any particular order or contract. In accordance with the XenOpt policy of continuous improvement specifications may change without notice.

The product image is only for reference purpose

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