



Open Optical Network DWDM Economical Solution

High Bandwidth | High Capacity | Compact
Rich Port | Super Long Transmission



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VN: YFY-XGZXT-240424

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DCI BOX & Coherent Optical Modules

DCI BOX

2U 6.4T DCI BOX 2.0

The GIGALIGHT 2U 6.4T DCI BOX 2.0 is an open coherent DWDM optical transport platform for data center interconnect (DCI) and metro optical transmission applications.



Features

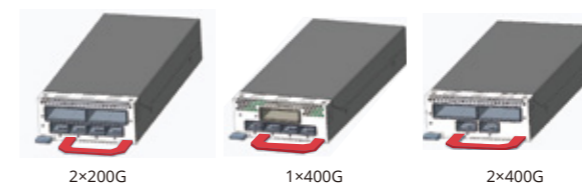
- 2U chassis including both optical-layer and electrical-layer cards to save space and facilitates capacity expansion
- Front-to-back heat dissipation design with multiple sets of high-speed fans to ensure excellent heat dissipation performance
- Optional with optical layer cards such as EDFA, WSS and OLP etc.
- Optional with electrical layer cards such as 100G OTU, 200G OTU and 400G OTU
- Up to 6.4T bandwidth for total 2U chassis
- Supports SNMP/Netconf, CLI/Web/BS, dual-master backup and OSC communication

Features

Parameters	Specifications
Client-side Rate	400GE/100GE/OTU4 or 10GE/OC-192/STM-64/8GFC/10GFC/16GFC
Line-side Rate	100G/200G/400G
RODAM Dimension	9
Power Consumption	≤300W
Dimensions(W×H×D)	440mm×88mm×420mm
Power Supply	AC(90V to 264V, 50/60HZ),DC(-36V to +60V)

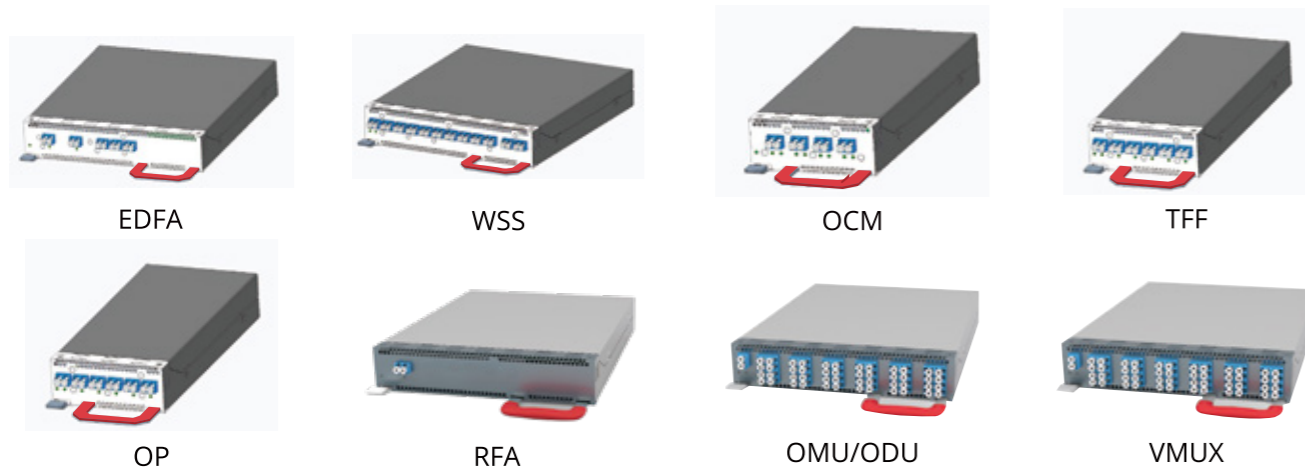
OTU Card

Features

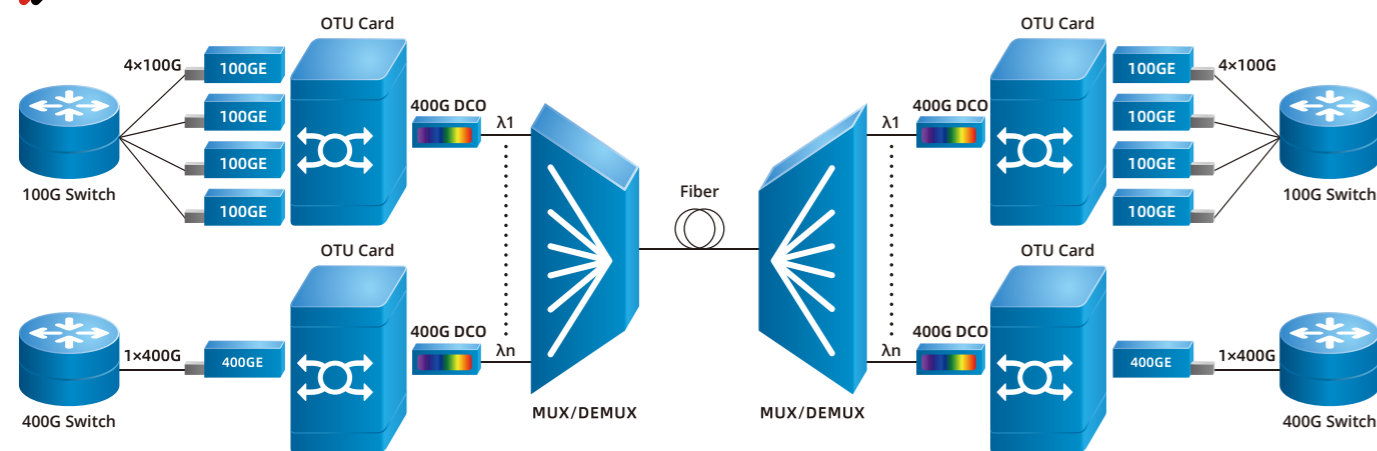


Access Signal Rate	Client-side Interface	Line-side Interface	Power Consumption
100/112Gbps	4x100G QSFP28	2x200G CFP2 DCO	≤75W
100/112Gbps	4x100G QSFP28	1x400G CFP2 DCO	≤68W
400Gbps	2x400G QSFP-DD	2x400G CFP2 DCO	≤135W

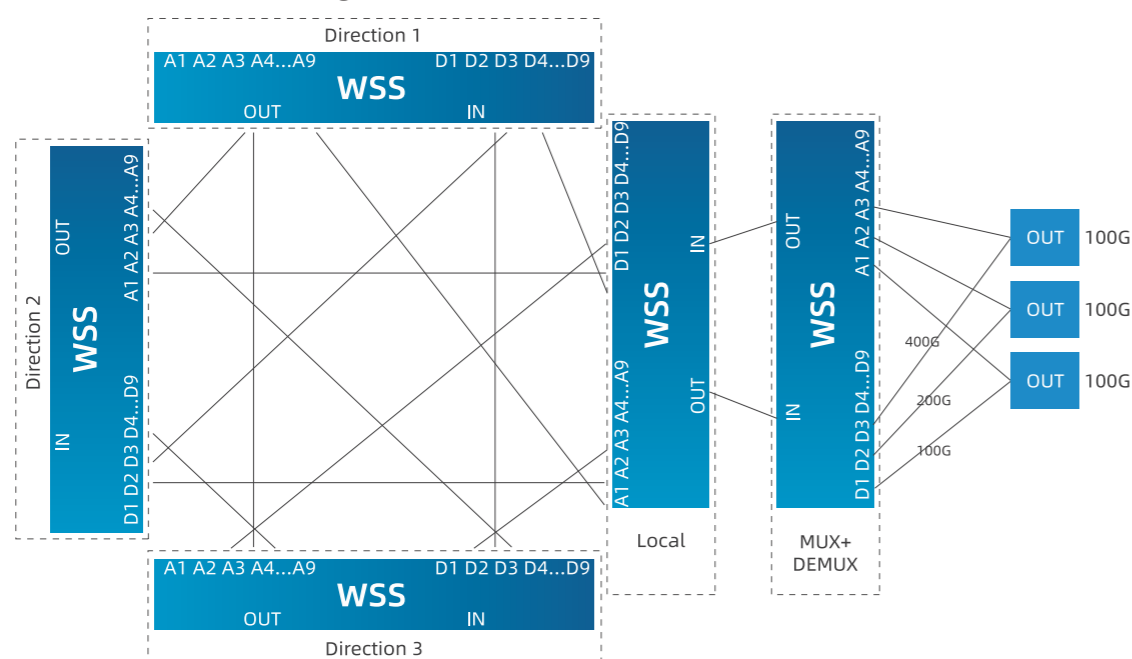
Optical Layer Service Cards



Wavelength Division Transmission



Typical ROADM Site Configuration



1U 800G DCI BOX 1.0

The GIGALIGHT 1U 800G DCI BOX supports ultra-large capacity service access, ultra-long-distance service transmission, and features simple and convenient operation and maintenance management. It can operate reliably and save energy and reduce emissions, which can effectively meet the data center interconnection (DCI) needs of Internet companies, operators, and cloud service providers etc.



Features

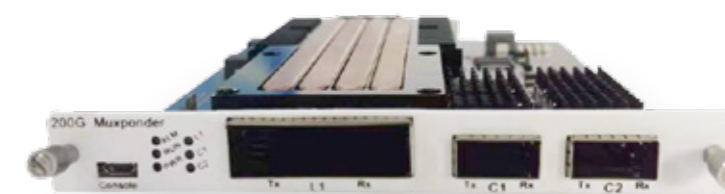
- Fully visible equipment status and board status
- Board parameters can be set through the panel
- Supports in-band or out-of-band network management
- Supports SNMP client

Specifications

Product Features		Description
Environmental requirements	Operating temperature	-10°C~60°C
	Storage temperature	-20°C~75°C
	Relative humidity	5%~95% No condensation
Size(W×H×D)	1U	482.6×44.5×300mm
Power supply	AC	85~264V, 50~60Hz
	DC	36~72V
Power Consumption	1U	< 150W

100G/200G CFP2 OTU Card

The GIGALIGHT 100G/200G CFP2 OTU Card supports the transparent transmission of two 100G signals, can convert one 100G signal with one 100G DWDM signal or convert the two 100G signals into one 200G DWDM signal.



Features

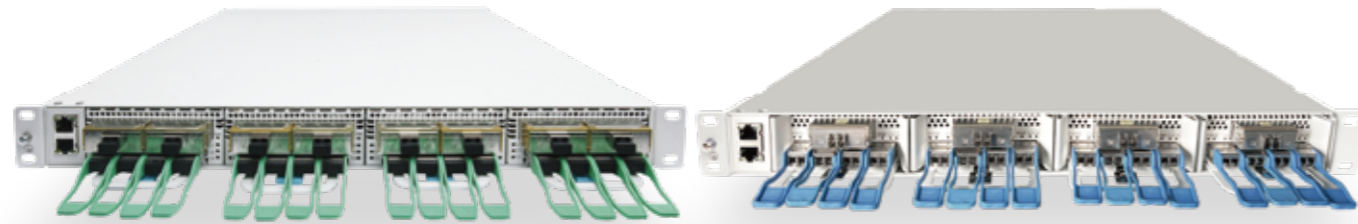
- Hardware standardization, capable of supporting CFP2 DCO series modules from various mainstream manufacturers
- Single board card can access 1 CFP2 module and 2 100G LR4/SR4 modules etc.
- Supports 100GE to 100G DWDM signals (100G CFP2 DCO)
- Conversion and 2×100GE to 200G DWDM signal (200G CFP2 DCO) conversion
- Supports DWDM: C-band (50GHz&100GHz)
- Supports 3R functionality (Resampling, Retiming, Reshaping)
- Supports for WEB/SNMP network management

Specifications

Product Features		Description
Data rate		103~112 Gbps
Port type	Link side	100G CFP2 DCO/200G CFP2 DCO
	Client side	100G LR4/SR4 QSFP28
Modulation		100G DP-QPSK @ 50GHz 200G DP-16QAM @ 50GHz
RX OSNR Tolerance		< 12dB @ 100G DP-QPSK < 20.5dB @ 200G DP-16QAM
Power Consumption		< 35W

1U 1.6T DCI BOX

The 1U 1.6T DCI BOX is an industry-leading innovative data center interconnection product. It provides ultra large capacity business access, ultra long distance business transmission, simple and convenient operation and maintenance management (Web/SNMP), and can also operate reliably, save energy, and reduce emissions. It can effectively meet the needs of data center interconnection for users such as internet companies, operators, and cloud service providers. This product supports 4 slots and transparent transmission of 400G OTU. It can convert two 100GE service signals into one 200G DWDM signal.



1U 1.6T DCI 8×200G

1U 1.6T DCI 4×400G

Features

- Modular design, on-demand configuration, smooth upgrade
- Ultra large capacity, ultra high density, up to 1.6Tbps processing capacity per 1U rack
- Ultra low energy consumption based on state-of-the-art single carrier 200G or 400G coherent DSP
- Provincial modular optical layer function. Realize modularization and miniaturization of various optical layer devices, and flexibly implement optical layer services
- Forward and rear air outlet design, AC/DC power supply, reasonable height, width, and depth design, suitable for server rack requirements in data center equipment rooms, and can be deployed together with servers
- Simple operation and maintenance: Based on the SDN design concept, providing open APIs that can be quickly automated and integrated in any IT operating environment, achieving rapid service deployment
- Support for a unified network management platform, network management methods such as SNMP, Web, NMS (graphical interface), and Netconf/YANG model interface

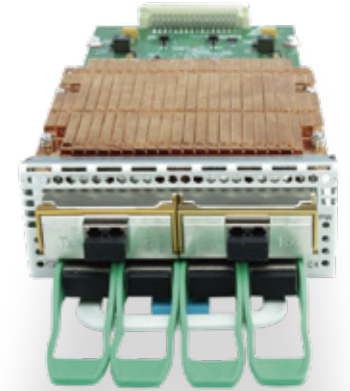
Specifications

Product Features	Description	
Maximum capacity of a single system	8×200G or 4×400G	
Wavelength (frequency) range	DWDM: 1529.16nm~1567.14nm(191.3THz-196.05THz)	
Single wavelength capacity	100G/200G/400G and three speed smooth upgrade/downgrade; Coherent detection and reception, QPSK/16QAM/16QAMPs modulation technology;	
Physical network topology	Chain, star, ring	
Environmental requirements	Operating temperature	-10°C~70°C
	Storage temperature	-40°C~80°C
	Relative humidity	5%~95% No condensation
Size(W×H×D)	440mm×44mm×535mm	
Heat dissipation ventilation design	Forward wind, rear air, FRU fan	
Structure	Integrated chassis, 19 inch rack	
Power Supply Requirements (Standard value)	AC voltage range: 90V~264V 50/60Hz DC power supply voltage range: -36V~60V	
Safety and EMC	Comply with FCC、UL、CE、TUV、CSA standards	
Power consumption	<350W	

2×200G CFP2 OTU Card for 1U 1.6T DCI BOX (8×200G)

Features

- Supports DWDM transmission and wavelength conversion
- Single board card supports four 100G bidirectional or four 100G unidirectional service access
- The line side supports two 200G CFP2 coherent optical module
- Customer side supports multiple business interfaces: 100G Base-SR4/CWDM4/LR4/PSM4
- Support SNMP based unified network management platform, network management methods Web, NetRiver (graphical interface)
- Support CDR function, optimize output, DDM signal monitoring, ALS
- Support software to close ports



400G CFP2 OTU Card for 1U 1.6T DCI BOX (4×400G)

Features

- Supports DWDM transmission and wavelength conversion
- Single board card supports four 100G bidirectional or unidirectional service access
- The line side supports one 400G CFP2 coherent optical module
- Customer side support for multiple business interfaces (such as 100GBASE-SR4/CWDM4/LR4/PSM4, etc.)
- Support SNMP based unified network management platform, network management methods Web, NetRiver (graphical interface)
- Support CDR function, optimize output, DDM signal monitoring, ALS
- Support software to close ports



Specifications

Product Features	Unit	Description	
Service card type	-	2×200G service card	400G service card
Basic parameters			
Channel Spacing	Ghz	50/100	75
Modulation format	-	PM-16QAM	PM-16QAM
OUT Transmitter			
Spectral width	Max. -3dB	nm	0.4
	Min. SMSR	dB	35
Average optical power	Max.	dBm	+5
	Min.	dBm	-10
Center frequency	Center frequency	Thz	ITU Grid
	Max. center frequency offset	Ghz	±2.5
OUT Receiver Characteristics			
Receiver sensitivity	dBm	-14	-14
Receiver Min. overload	dBm	0	0
Receiver Max. reflection coefficient	dB	-27	-27
Wavelength range	nm	ITU Grid	ITU Grid
Min. Sandaly capacity(1dB OSNR)	Ps/nm	8000	8000
Min. differential group delay tolerance(1dB OSNR)	Ps	≥30	≥30
RX OSNR tolerance	dB/0.1nm	18.5db/200G PM-8QAM 21 dB/200G PM-16QAM 11.5db/100G PM-QPSK	23 dB /400G PM-16QAM
RX CD tolerance	ps/nm	40000	40000

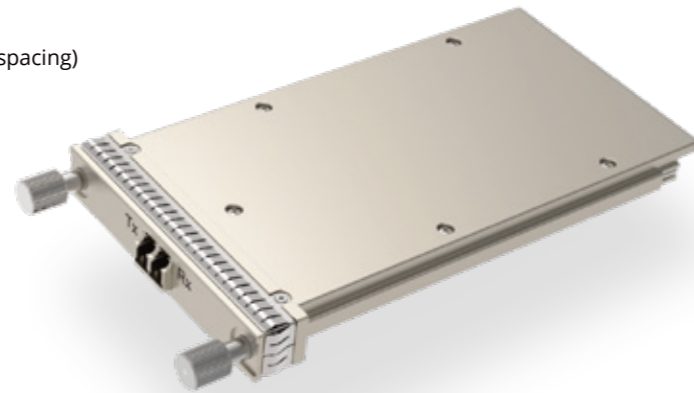
Coherent Optical Modules

100G CFP DCO

GIGALIGHT's 100G CFP DCO digital coherent optical transceiver modules are designed for 100G Ethernet and OTN OTU4 links reach up to 120km, 600km, and 1200km.

Features

- Hot-pluggable CFP form factor
- Full C-band tunable ultra-narrow linewidth laser (50GHz channel spacing)
- Built-in EDFA optional (-15 to +2dBm adjustable TX power)
- 100G DP-QPSK modulation mode
- Integrated silicon photonics modulator & demodulator
- 100GE/OLT4 client interface
- 29W maximum power consumption (LH mode, built-in EDFA)
- 13dB/0.1nm RX OSNR tolerance (LH mode, BER 2E-2)
- 40000ps/nm CD tolerance (LH mode)
- Duplex LC receptacle
- 0°C to 70°C operating case temperature range
- 3.3V power supply voltage
- RoHS compliant (lead free)

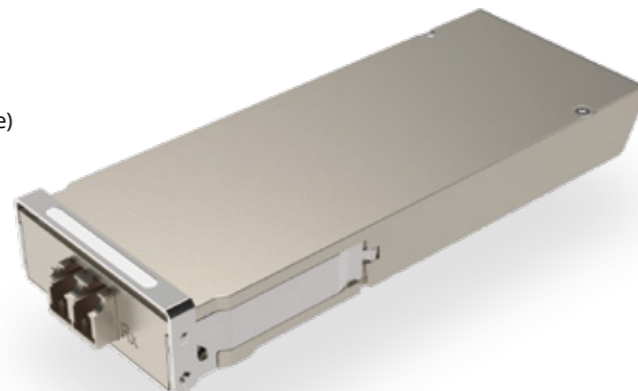


100G/200G CFP2 DCO

GIGALIGHT's 100G/200G CFP2 DCO digital coherent optical transceiver modules are designed for 100G Ethernet and OTN OTU4 links reach up to 120km, 600km, and 1200km.

Features

- Hot-pluggable CFP2 form factor
- Full C-band tunable ultra-narrow linewidth laser (50GHz channel spacing)
- -6.5 to +0.5dBm adjustable TX power
- 100G DP-QPSK or 200G DP-16QAM modulation mode
- Integrated silicon photonics modulator & demodulator
- 100GE/OLT4 client interface
- 22W typical (24W maximum) power consumption (100G/200G mode)
- 12.5dB/0.1nm RX OSNR tolerance (100G LH mode, BER 2E-2)
- 18.5dB/0.1nm RX OSNR tolerance (200G DP-16QAM, BER 2E-2)
- 40000ps/nm CD tolerance (100G/200G mode)
- Duplex LC receptacle
- 0°C to 70°C operating case temperature range
- 3.3V power supply voltage
- RoHS compliant (lead free)

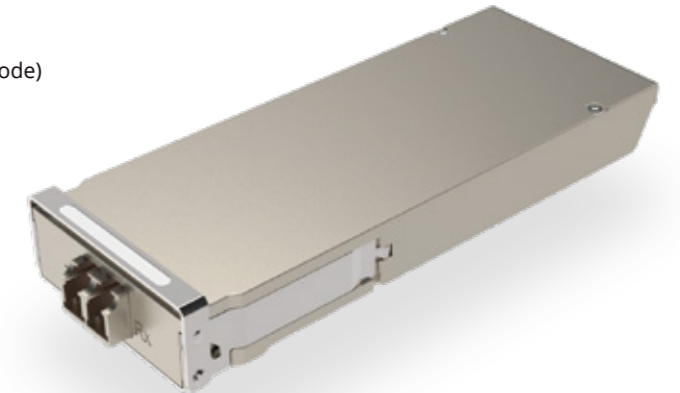


400G CFP2 DCO

GIGALIGHT's 400G CFP2 DCO digital coherent optical transceiver modules are designed for 100G/200G/400G Ethernet and OTN links, meeting the demands of high-bandwidth data center interconnection (DCI) applications.

Features

- Hot-pluggable CFP2 form factor
- Full C-band tunable ultra-narrow linewidth laser (75GHz channel spacing)
- 400G DP-16QAM modulation mode
- Integrated silicon photonics modulator & demodulator
- 22W typical (24W maximum) power consumption (100G/200G mode)
- 22dB/0.1nm RX OSNR tolerance (400G DP-16QAM)
- Duplex LC receptacle
- 0°C to 70°C operating case temperature range
- 3.3V power supply voltage
- RoHS compliant (lead free)

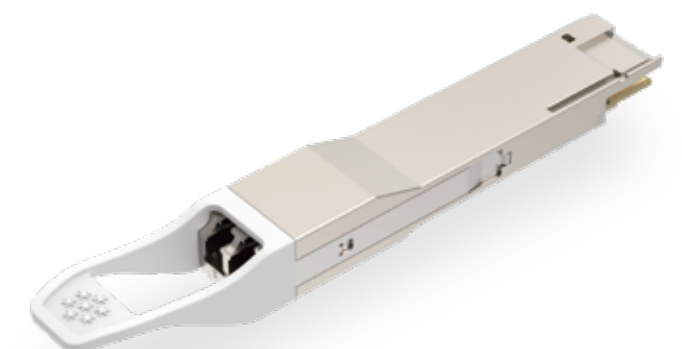


400G QSFP-DD ZR/ZR+

The GIGALIGHT 400G QSFP-DD DCO ZR/ZR+ modules support 400GE and OTN links reach up to 80km/120km or 600km and more. It operates on full C-band DWDM wavelengths with 75GHz (up to 64 channels) or 100GHz (up to 48 channels) channel spacing, and is ideal for long-haul metro DCI and 5G backhaul applications.

Features

- QSFP-DD MSA compliant
- OIF 400ZR or OpenZR+ MSA compliant
- Built-in digital diagnostic monitoring function
- Hot-pluggable 76-pin electrical interface
- 16.5W maximum power consumption
- 400G 16QAM modulation
- Compact size (18.4mm x 93.4mm x 8.5mm)
- Duplex LC optical interface
- Supports 425Gbps 400GBASE-R rate
- 400G-AUI-8 C2M, 8xCEI-56G-VSR PAM-4 electrical interface
- Commercial case operating temperature range
- 3.3V power supply
- Compliant with RoHS (lead-free)



Non-Coherent DWDM Equipment & COLOR Series Optical Modules

Non-Coherent DWDM Equipment

1G/10G OEO

OEO stands for Optical-Electrical-Optical, which is a light signal regeneration conversion device. GIGALIGHT 1G/10G OEO supports speeds ranging from 155Mbps to 11.3Gbps. It is used for scenarios like optical signal wavelength conversion, single-mode conversion, relay amplification, signal regeneration, and finds widespread applications in the field of optical communication.

Features

- Full rate access: 155Mbps~11.3Gbps
- Full service access: Ethernet, P/SDH, ATM, etc.
- Support 3R function
- Single card supports 4-channel two-way/8-channel one-way business processing
- High level of integration by plug-in design, which saves space of cabinet
- Expansion is very convenient



25G OEO

OEO stands for Optical-Electrical-Optical, which is a light signal regeneration conversion device. GIGALIGHT 25G OEO supports speeds ranging from 25.5~28.1Gbps. It is used for scenarios like optical signal wavelength conversion, single-mode conversion, relay amplification, signal regeneration, and finds widespread applications in the field of optical communication.

Features

- Rate access: 25~28.1Gbps
- Service access: Ethernet, FC, etc.
- Support 3R function
- Single card supports 4-channel two-way/4-channel one-way business processing
- High level of integration by plug-in design, which saves space of cabinet
- Expansion is very convenient



100G OEO

OEO stands for Optical-Electrical-Optical, which is a light signal regeneration conversion device. GIGALIGHT's 100G OEO supports speeds ranging from 103.1~112Gbps. It is used for scenarios like optical signal wavelength conversion, single-mode conversion, relay amplification, signal regeneration, and finds widespread applications in the field of optical communication.

Features

- Access signal rate: 103.1~112Gbps
- Support 3R function
- Single card supports 2-channel two-way service processing
- DDM information monitoring
- Support SNMP/Client Remote management



100G Muxponder

GIGALIGHT 100G Muxponder is used for multiplexing 4 channels 25/28g optical signals into 1x100G optical signal or demultiplexing 1x100G optical signal into 4 channels 25/28g optical signals. The product based on the principle of OEO, the product adopts transparent forwarding method for business data. The product can be applied to the long-distance transmission of 100G optical signals or the multiplexing of 25G signals.

Features

- Rate access: 25~28.1Gbps
- Service access: Ethernet, FC, etc.
- Support 3R function
- Single card supports 4-channel two-way/4-channel one-way business processing
- High level of integration by plug-in design, which saves space of cabinet
- Expansion is very convenient



COLOR ZR+ Optical Transceiver

100G QSFP28 PSM DWDM4

Gigalight 100G QSFP28 PSM DWDM4 is a four-channel, pluggable, parallel optical transceiver, suitable for 100G or 40G Ethernet metro access in DWDM applications. This optical transceiver is a high-end optical transceiver for data communication and interconnection applications. Performance transceiver. It integrates four data lanes in each direction with a bandwidth of 104Gbps. Each channel can operate at 26Gbps on G.652 single-mode fiber, with a transmission distance of up to 10km. It uses equipment such as external multiplexers/demultiplexers to transmit longer distances.

Features

- O-Band and C-Band optional
- 4-channel full-duplex transceiver
- Transmission data rate up to 26Gbps per channel
- Compliant with ITU-T 694.1
- 4-channel PIN photodetector array
- Internal CDR circuitry on receiver and transmitter channels
- Support CDR bypass
- Low power consumption<5W
- Hot Pluggable QSFP form factor
- Single male MPO(APC 8-degree) connector receptacle
- Working shell temperature 0°C to +70°C
- 3.3V supply voltage
- RoHS compliant (lead-free)



O Band Version

- Supports total bandwidth 400G, 4 types of P/N
- SOA single span 40km transmission without CDM compensation, system FEC is on
- The dual-span SOA meets 80km, no CDM compensation is required, and the system FEC is turned on.

Item	Product Code	TX1		TX2		TX3		TX4	
		Ch. No.	Frequency (THz)	Ch. No.	Frequency (THz)	Ch. No.	Frequency (THz)	Ch. No.	Frequency (THz)
1	GQS-O01101-ER4C	01	233.6	02	233.45	03	233.3	04	233.15
2	GQS-O05101-ER4C	05	233	06	232.85	07	232.7	08	232.55
3	GQS-O10101-ER4C	10	232.25	11	232.1	12	231.95	13	231.8
4	GQS-O14101-ER4C	14	231.65	15	231.5	16	231.35	17	231.2

C Band Version

- 4-channel C-band EML DWDM
- Transmission distance up to 10km via G.652 SMF without external CD compensation
- Using external multiplexer/demultiplexer, EDFA, CD compensation, the transmission distance can reach 120km through G.652 SMF

Item	Product Code	TX1		TX2		TX3		TX4	
		Ch. No.	Frequency (THz)	Ch. No.	Frequency (THz)	Ch. No.	Frequency (THz)	Ch. No.	Frequency (THz)
1	GQS-D13101-124C	C13	191.3	C14	191.4	C15	191.5	C16	191.6
2	GQS-D17101-124C	C17	191.7	C18	191.8	C19	191.9	C20	192
3	GQS-D21101-124C	C21	192.1	C22	192.2	C23	192.3	C24	192.4
4	GQS-D25101-124C	C25	192.5	C26	192.6	C27	192.7	C28	192.8
5	GQS-D29101-124C	C29	192.9	C30	193	C31	193.1	C32	193.2
6	GQS-D33101-124C	C33	193.3	C34	193.4	C35	193.5	C36	193.6
7	GQS-D37101-124C	C37	193.7	C38	193.8	C37	193.7	C37	193.7
8	GQS-D41101-124C	C41	194.1	C42	194.2	C43	194.3	C44	194.4
9	GQS-D45101-124C	C45	194.5	C46	194.6	C47	194.7	C48	194.8
10	GQS-D49101-124C	C49	194.9	C50	195	C51	195.1	C52	195.2
11	GQS-D53101-124C	C53	195.3	C54	195.4	C55	195.5	C56	195.6
12	GQS-D57101-124C	C57	195.7	C58	195.8	C59	195.9	C60	196

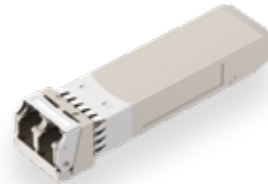
COLOR X Optical Transceiver

Gigalight COLOR X-ray transceiver adopts PAM4 DWDM1 O-BAND silicon optical platform, which can be used in 5G fronthaul applications. The transmission distance reaches 10km. With an external SOA, it can meet the single-span transmission of 30km.

50G SFP56 DWDM1 (Siph 50G PAM4 O-BAND)

Features

- Adopting 50G PAM4 silicon optical MZ modulation technology
- DWDM O-BAND 150GHZ, 16 channels
- Meets 10km transmission
- With the addition of external SOA, it can meet the requirement of single-span transmission of 30km.
- Power consumption is expected to be less than 3W
- Application of 5G fronthaul



100G SFP112 DWDM1(Siph 100G PAM4 O-BAND)

Features

- Adopting 100G PAM4 silicon photonic MZ modulation technology
- DWDM O-BAND 150GHZ, 16 channels
- Meets 10km transmission
- With the addition of external SOA, it can meet the requirement of single-span transmission of 30km.
- Power consumption is expected to be less than 3.5W
- Application of 5G fronthaul



100G QSFP28 DWDM1(Siph 100G PAM4 O-BAND)

Features

- Adopting 100G PAM4 silicon photonic MZ modulation technology
- The electrical port side uses 4X 25G NRZ with built-in FEC-KP4
- DWDM O-BAND 150GHZ, 16 channels
- Meets 10km transmission
- With the addition of external SOA, it can meet the requirement of single-span transmission of 30km.
- Power consumption is expected to be less than 3.5W
- Applied to 5G fronthaul and DCI interconnection



COLOR X Optical Transceiver Wavelength

Channel No.	Frequency THz	Wavelength nm	Channel No.	Frequency THz	Wavelength nm
1	233.60	1283.358	9	232.25	1290.818
2	233.45	1284.183	10	232.10	1291.652
3	233.30	1285.008	11	231.95	1292.487
4	233.15	1285.835	12	231.80	1293.324
5	233.00	1286.663	13	231.65	1294.161
6	232.85	1287.492	14	231.50	1295.000
7	232.70	1288.322	15	231.35	1295.839
8	232.55	1289.153	16	231.20	1296.680

Optical Layer Systems

功能板卡

Optical Transport Platform

GIGALIGHT's optical transport platform can provide ultra-large capacity transmission of multiple access services. It features high service integration, high port density, rich service types, flexible configuration, etc., and supports the graphical management interface of C/S or B/S architecture based on SNMP protocol, providing very clear faults locating for management and maintenance to save costs.

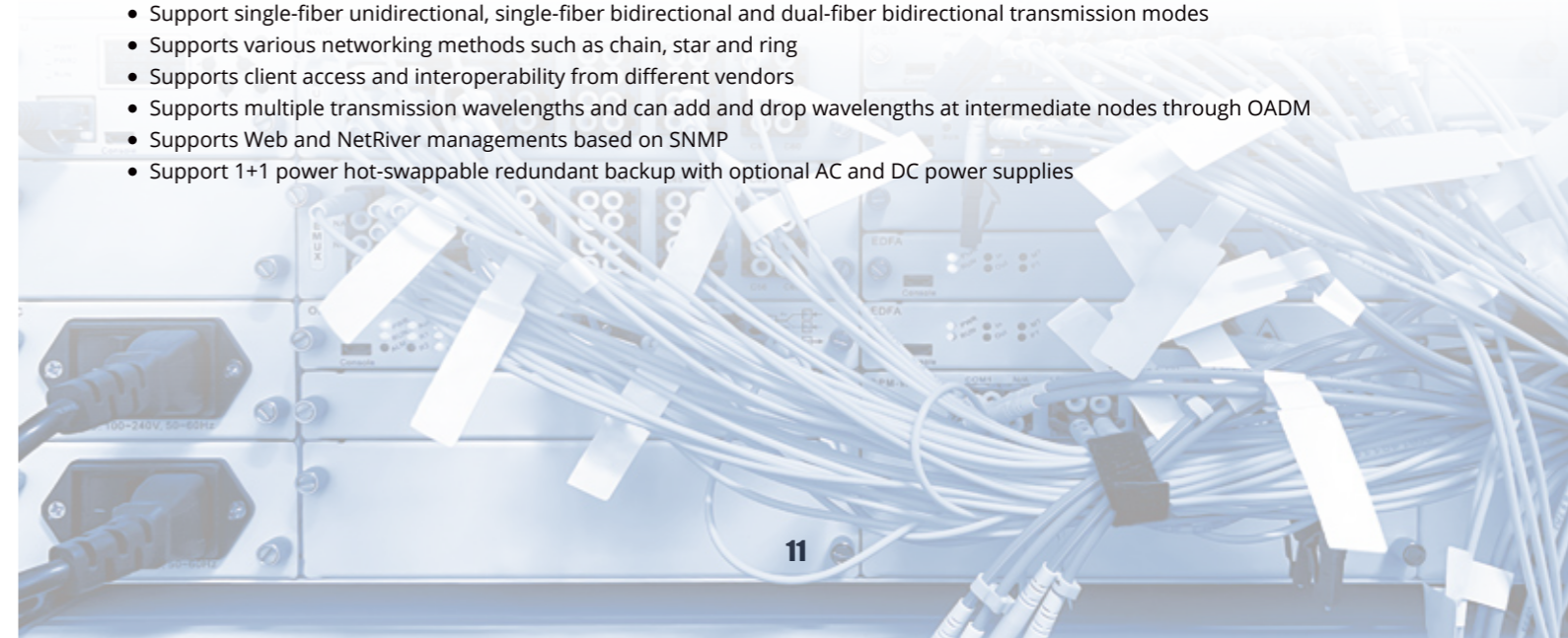
The platform is widely used in telecom operators, radio and television, electric power, education, cloud computing and information security and other fields. For all-optical networks, the platform can be applied to the construction of national, inter-provincial, intra-provincial trunk lines, local metropolitan area networks and various specialized networks.

The platform supports safe, reliable, independent and transparent signal transmission, and can greatly save optical fiber resources through WDM technology, making it the best solution to deal with the shortage of optical cable resources. It can help customers build an optical transmission network that features long transmission distance, high reliability, safe and flexible transmission, and strong disaster-resistant capability.



Features

- Flexible networking, small footprint, and strong scalability
- Supports hot swap of various service boards
- Supports multiple access services such as SDH, SONET, Ethernet, SAN, OTN and Video
- Line side supports 100G, 200G and 400G single-wave rate
- Support single-fiber unidirectional, single-fiber bidirectional and dual-fiber bidirectional transmission modes
- Supports various networking methods such as chain, star and ring
- Supports client access and interoperability from different vendors
- Supports multiple transmission wavelengths and can add and drop wavelengths at intermediate nodes through OADM
- Supports Web and NetRiver managements based on SNMP
- Support 1+1 power hot-swappable redundant backup with optional AC and DC power supplies



Specifications

Product Features	Description			
Platform	1U	2U	4U	5U
Size(W×H×D)	440mm×44mm×285mm	440mm×88mm×285mm	440mm×176mm×285mm	440mm×220mm×285mm
Slots	4	8	16	20
Power Consumption	≤120W	≤200W	≤300W	≤400W
Client-side Rate	100GE/OTU4 or 10GE/OC-192/STM-64/8GFC/10GFC/16GFC			
Line-side Rate	100G/200G/400G			
Modulation	QPSK/16QAM/16QAMps			
Operating Temperature	-10°C to +70°C			
Storage Temperature	-40°C to +80°C			
Relative Humidity	5% to 95% (non-condensing)			
Power Supply	AC (90V to 264V, 50/60Hz), DC (-36V to +60V)			

Service Cards



EDFA Card



OCM Card



OTDR Card



TDCM Card



RFA Card



OBP Card



DVOA Card



OLP Card



OSS Card

DWDM passive wavelength extension box

Rack Mount Passive DWDM MUX DEMUX

48CH 100GHz DWDM MUX DEMUX

Features

- 1U 19" rack mount package based on AAWG
- 100GHz (0.8nm) channel spacing
- Compliant with ITU G.694.1
- Typical insertion loss < 4.0 dB (Gaussian) or < 6.0 dB (Flat-top)
- 1% monitor port for easy troubleshooting without downtime
- LC/UPC duplex connector
- Telcordia GR-1209-CORE and CR-1221-CORE compliant
- RoHS compliant



64CH 75GHz DWDM MUX DEMUX

Features

- 2U 19" rack mount package based on AAWG
- 75GHz (0.6nm) channel spacing
- Compliant with ITU G.694.1
- Typical insertion loss < 6.0 dB (Flat-top)
- 1% monitor port for easy troubleshooting without downtime
- LC/UPC duplex connector
- Telcordia GR-1209-CORE and CR-1221-CORE compliant
- RoHS compliant



96CH 50GHz DWDM MUX DEMUX

Features

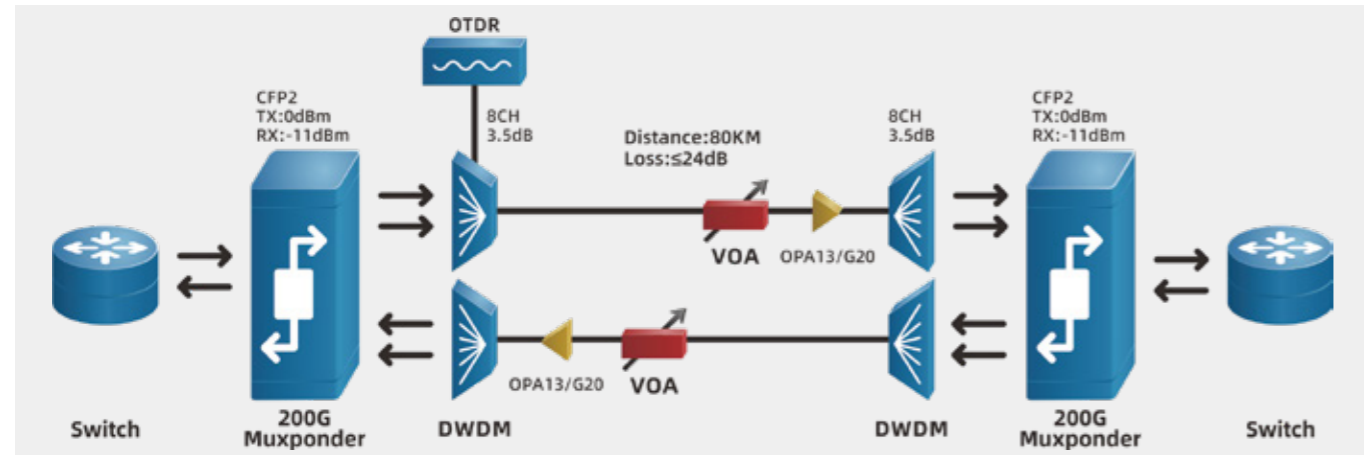
- 2U 19" rack mount package based on AAWG
- 75GHz (0.6nm) channel spacing
- Compliant with ITU G.694.1
- Typical insertion loss < 7.3 dB (Flat-top)
- 1% monitor port for easy troubleshooting without downtime
- LC/UPC duplex connector
- Telcordia GR-1209-CORE and CR-1221-CORE compliant
- RoHS compliant



User Cases

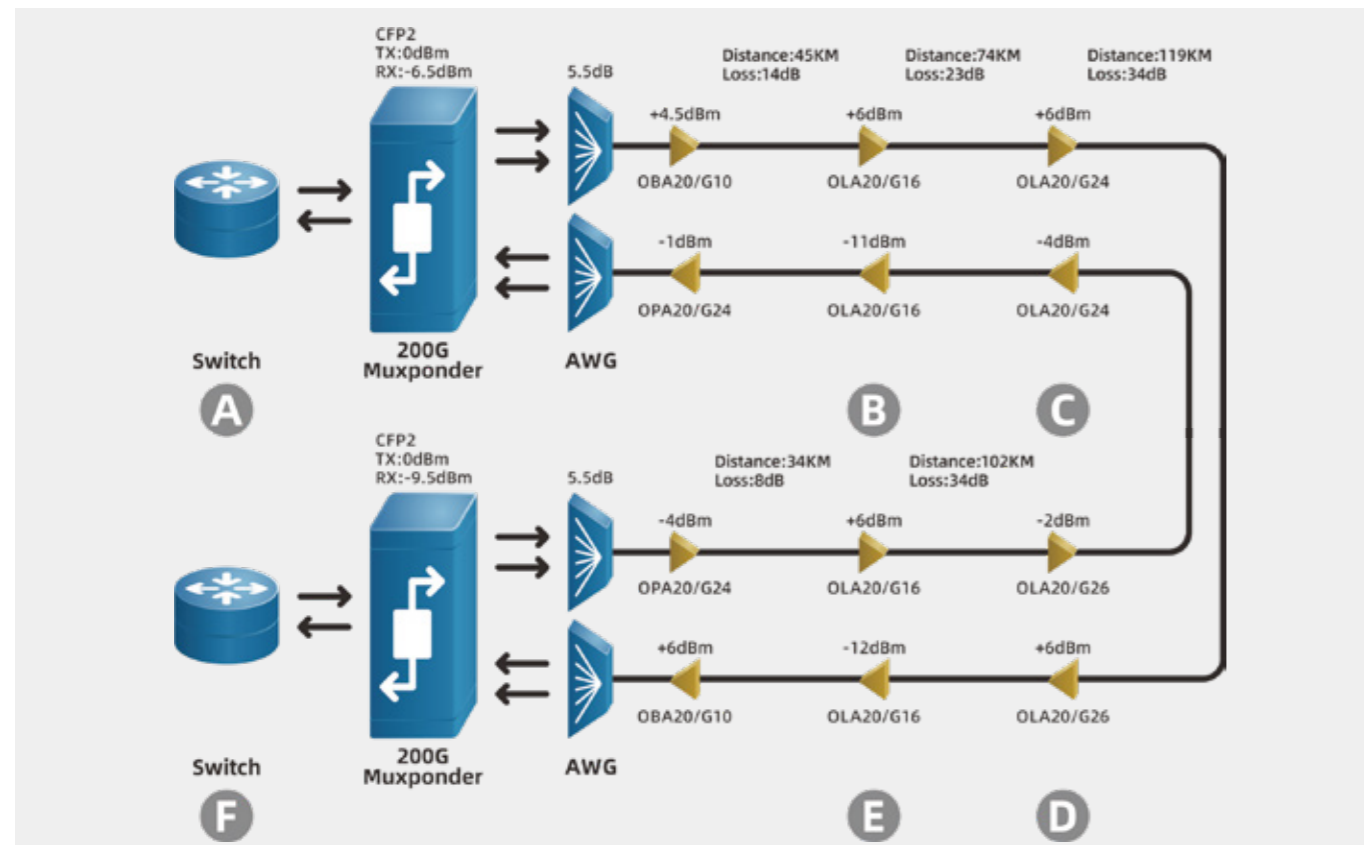
Coherent Single Lambda 200G DWDM 80km

Main description: 1CH×200GE, Optical power margin > 3dB; System configuration VOA can adjust optical insertion loss, EDFA input optical power can be controlled; OTDR system configuration, optical cable performance monitoring.

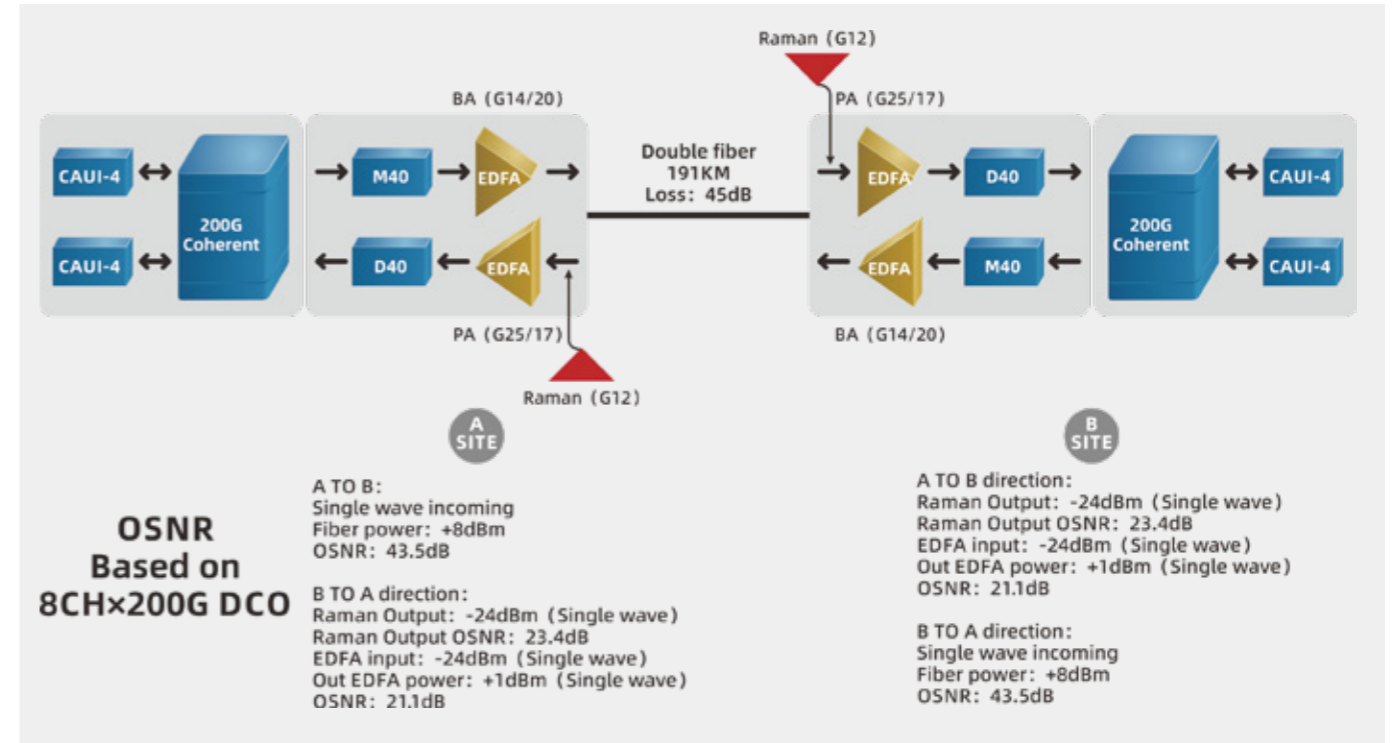


Coherent Single Lambda 200G DWDM 600km (Standard Multi-span)

Main description: 16CH×100GE, RX OSNR margin > 3dB; System configuration VOA can adjust optical insertion loss, EDFA input optical power can be controlled; OTDR system configuration, optical cable performance monitoring.



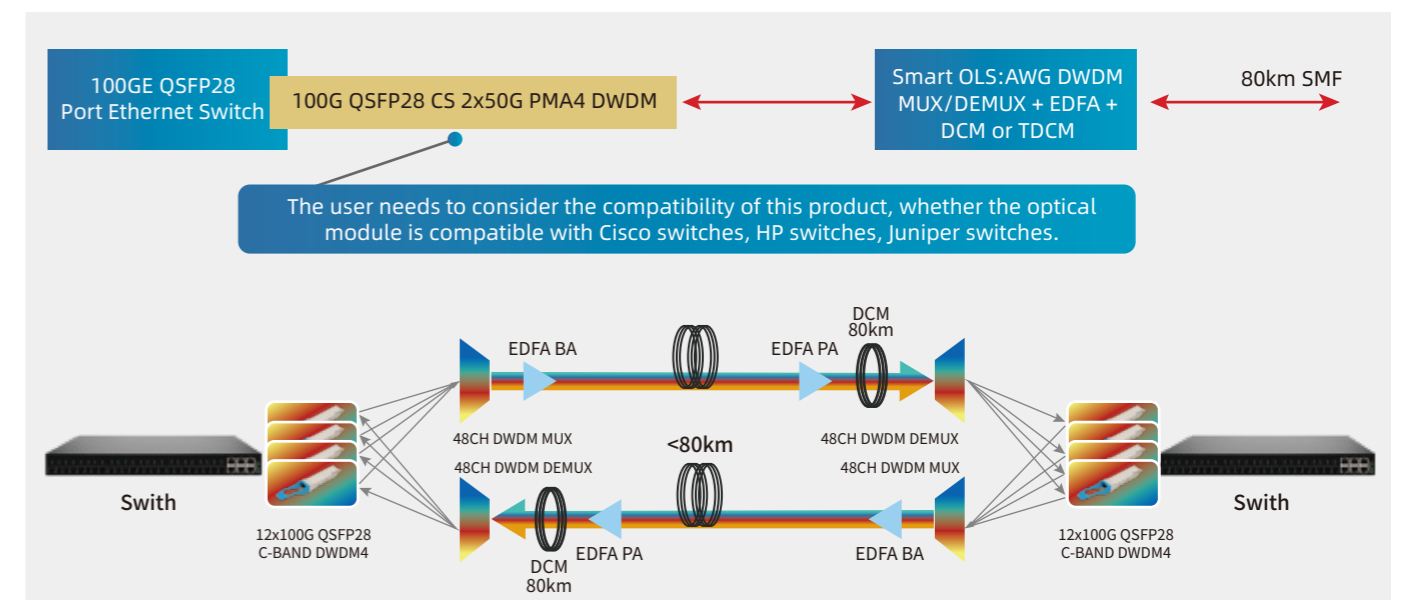
Coherent Single Lambda 200G DWDM 200km (Ultra-long Single-span)



Non-Coherent DWDM Solutions: 2x 50G PAM4 DWDM 80km range

100G QSFP28 CS 2X 50G PAM4 DWDM is directly inserted into the customer's 100GE switch scenario

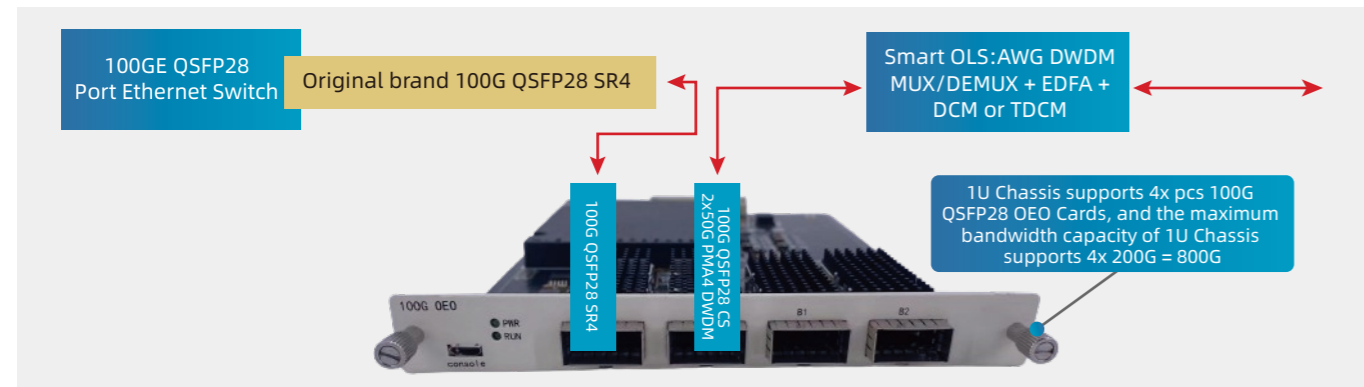
- Total bandwidth capacity 48x 50G = 2400G on dual fiber
- Support single-fiber optical transmission solutions with a total bandwidth capacity of 800G



Non-Coherent DWDM Solutions: 2x 50G PAM4 DWDM 80km range

100G QSFP28 CS 2X 50G PAM4 DWDM is directly inserted into the 100G QSFP28 OEO Card scenario

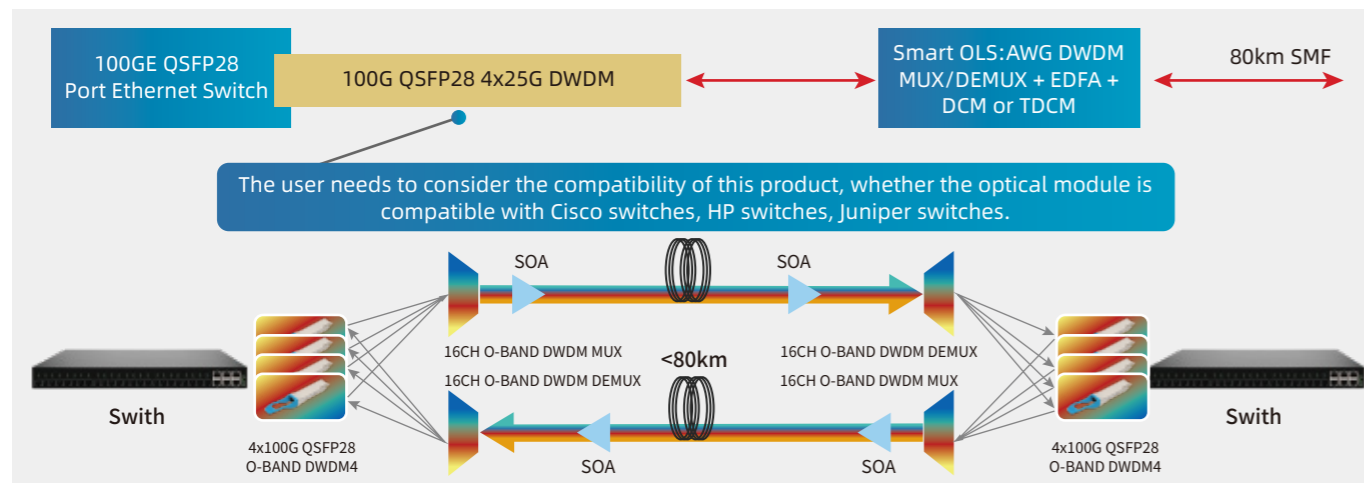
- Total bandwidth capacity 48x 50G = 2400G on dual fiber
- Support single-fiber optical transmission solutions with a total bandwidth capacity of 800G



Non-Coherent DWDM Solutions: 4x 25G DWDM 80km range

100G QSFP28 4x 25G DWDM is directly inserted into the customer's 100GE switch scenario

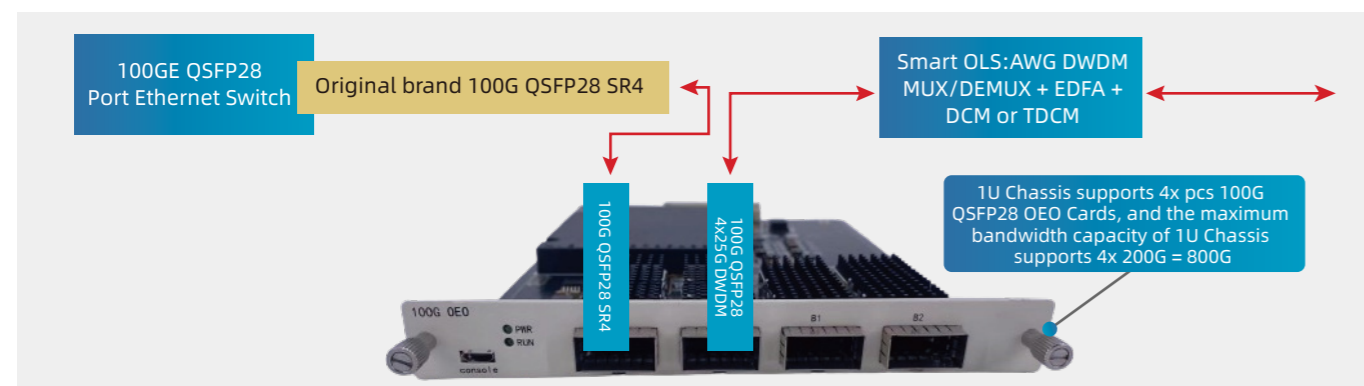
- Total bandwidth capacity 48x 25G = 1200G on dual fiber
- Support single-fiber optical transmission solutions with a total bandwidth capacity of 400G



Non-Coherent DWDM Solutions: 4x 25G DWDM 80km range

100G QSFP28 4X 25G DWDM is directly inserted into the 100G QSFP28 OEO Card scenario

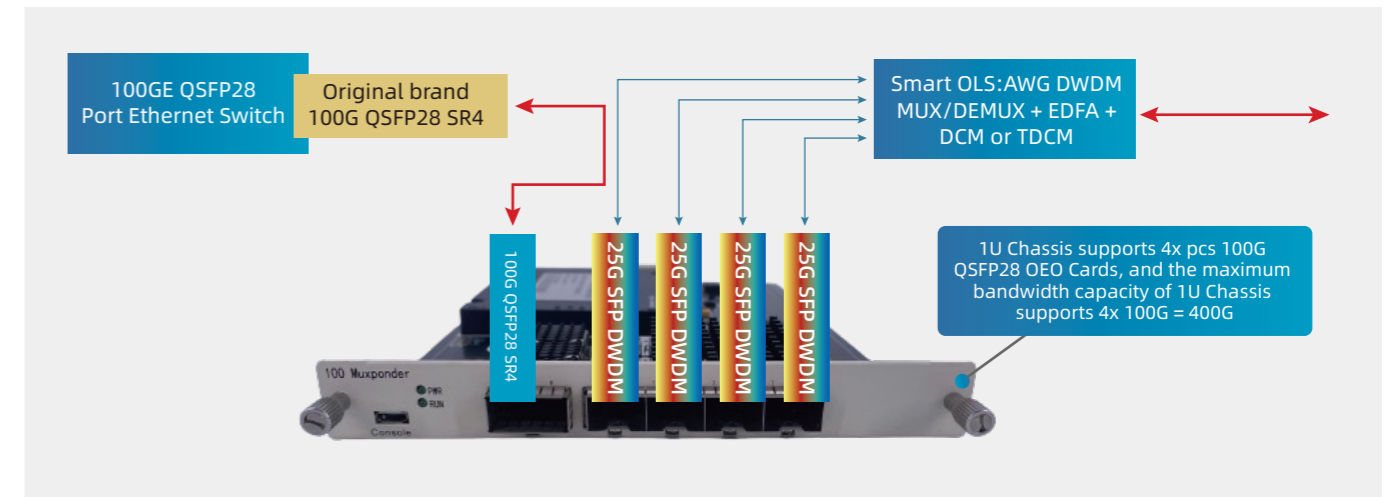
- Total bandwidth capacity 48x 25G = 1200G on dual fiber
- Support single-fiber optical transmission solutions with a total bandwidth capacity of 400G



Non-Coherent DWDM Solutions: 4x 25G DWDM 80km range

Achieving 100GE transmission over 80KM by using 4x 25G SFP28 to 100G QSFP28 Muxponder

- Total bandwidth capacity 48x 25G = 1200G on dual fiber
- Support single-fiber optical transmission solutions with a total bandwidth capacity of 400G



Non-Coherent DWDM Solutions: 100G PAM4 QSFP28 DWDM1 O-BAND 30KM

- 100G PAM4 silicon optical MZ modulation technology was used
- The electric port side adopts 4x 25G NRZ with built-in FEC-KP4
- DWDM O-BAND 150GHZ, 16 channel
- Direct transmission up to 10KM
- Add external SOA, meet single-span transmission 30KM

