

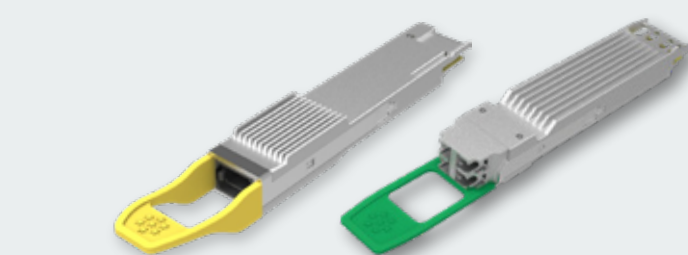
GIGALIGHT 2025

NEWS PAPER *GigaLight*

Open Optical Network Device Explore

800G SiPh

It doesn't matter where you run, what matters is the right direction.

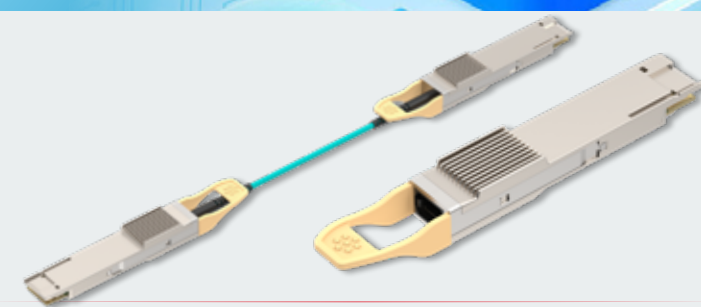


800G QSFP-DD/OSFP DR8/DR8+/DR8++
800G QSFP-DD/OSFP 2xFR4/2xLR4

800G VCSEL

INVIDIA COMPATIBLE

Smart Connect To AI
Future, Reliable Short
Haul.

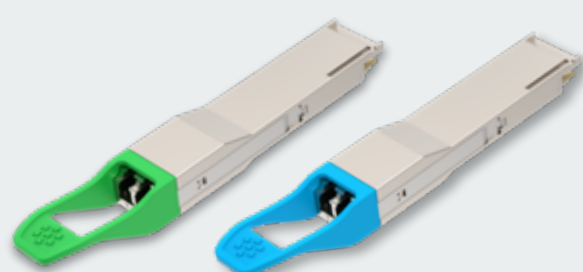


800G QSFP-DD/OSFP SR8
800G QSFP-DD/OSFP AOC

800G EML

GIGALIGHT Pioneers 8-Channel
WDM Optics Innovation.

Metro telecom Metro DCI
Access/Interconnection 800G
Ethernet



800G QSFP-DD/OSFP LR8 LAN-WDM EML
800G QSFP-DD/OSFP CWDM8 CWDM8 EML

800G DAC

World Champion In The Shortest
Distance Relay Race.



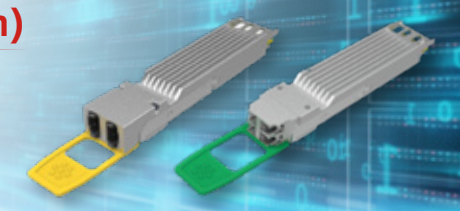
800G QSFP-DD/OSFP PCC
800G QSFP-DD/OSFP ACC

GIGALIGHT 2025 01

New product

800G OSFP DR8/2XFR4(SiPh)

- 500m/2km
- 5nm DSP
- Dual MPO12/Dual duplex LC
- 1310nm/CWDM4 CW+MZ
- 16W



200G QSFP56 SR2

- 100m
- 850nm VCSEL
- MPO12



800G OSFP DR8/2XFR4(EML)

- 500m/2km
- 5nm DSP
- Dual MPO12/Dual duplex LC
- 1310nm/CWDM4 EML
- 16W



100G QSFP28 SR1

- 100m
- 850nm VCSEL
- Dual LC



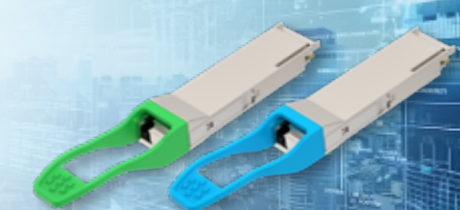
800G QSFP-DD FR8/LR8

- 2km/10km
- 5nm DSP
- Dual LC
- CWDM8/LAN-WDM EML
- 16W



100G QSFP28 BIDI ER1

- 40km
- 1304.58/1309.14nm
- Single LC



400G QSFP-DD/QSFP112/ OSFP-RHS DR4 SiPh

- 500m
- 1310nmCW+MZ
- 10W



100G QSFP28 BIDI ZR4

- 80km
- 1273.54~1309.14nm
- Single LC



400G CPO DR4(SiPh)

- ER>4dB
- TX 0-3dBm, RX OMA
- Sensitivity<-5.5dBm(2E-4)
- Wavelength 1304.5nm-1317.5nm
- SMSR≥30dB
- TDECQ<2.5dB



100G QSFP28 DWDM1(SiPh)

- 106.25Gb/s PAM4
- Based on silicon photonics technology
- 150GHz 16CH wavelength 1283.4nm~1296.7nm
- 10km, External SOA 30km,
- Dual LC
- <3.5W



400G QSFP-DD FR4/LR4/ER4(EML)

- 2km/10km/40km
- CWDM4/LWDM EML
- Dual LC
- 11W



100G SFP112 SR1

- 850nm VCSEL
- 100m
- Dual LC
- 2W



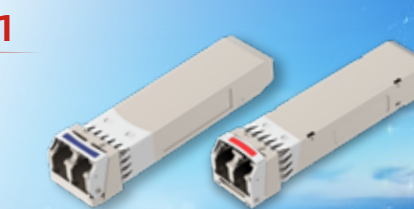
400G QSFP112/OSFP-RHS FR4/LR4

- 2km/10km
- CWDM4 EML
- Dual LC
- 11W



100G SFP112 LR1/ER1

- 1310nm EML
- 10km/40km
- Dual LC
- 3.5W



200G QSFP56 FR4

- 2km
- CWDM4 DML
- Dual LC
- 6W



40G QSFP ZR4

- LAN-WDM EML
- 80km
- Dual LC
- 4.5W



200G QSFP56 DR4

- 500m
- 1310nm DML
- MPO12
- 6W



25G SFP28 ZR

- 1300nm EML
- 80km
- Dual LC
- 2.5W



Open Network DWDM Economical Solutions

Coherent Subsystem

2U 12.8T DCI BOX
1U 6.4T DCI BOX

- Supports SNMP, web, Netconf/YANG NMS
- QPSK/16QAM/16QAMPS modulation technology
- Maximum capacity 4x1.6T for single chassis
- DWDM 1529.16~1567.14nm

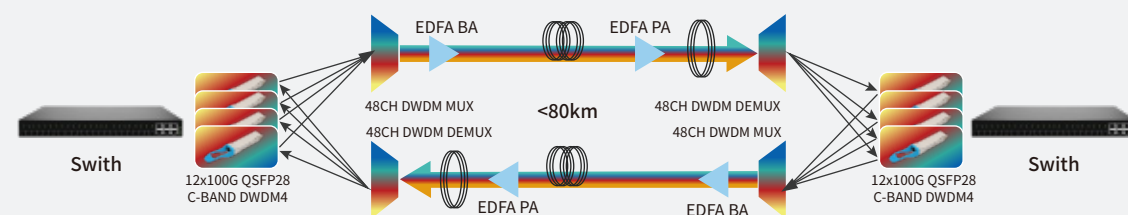
Coherent Optical Transceivers Transmission



Non-Coherent DWDM Subsystem

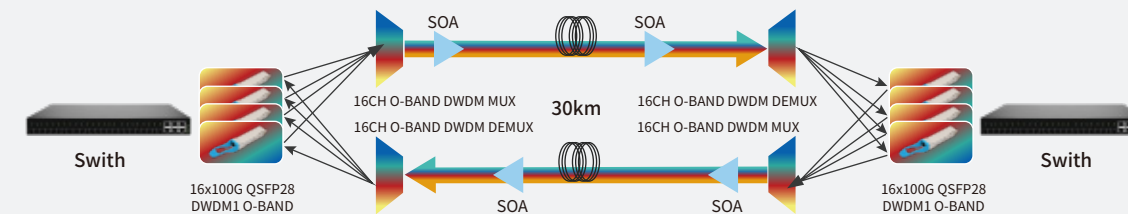
COLOR ZR+ 100G QSFP28 PSM DWDM4 (C-band)

26Gbps per channel 5W power consumption Support CDR bypass

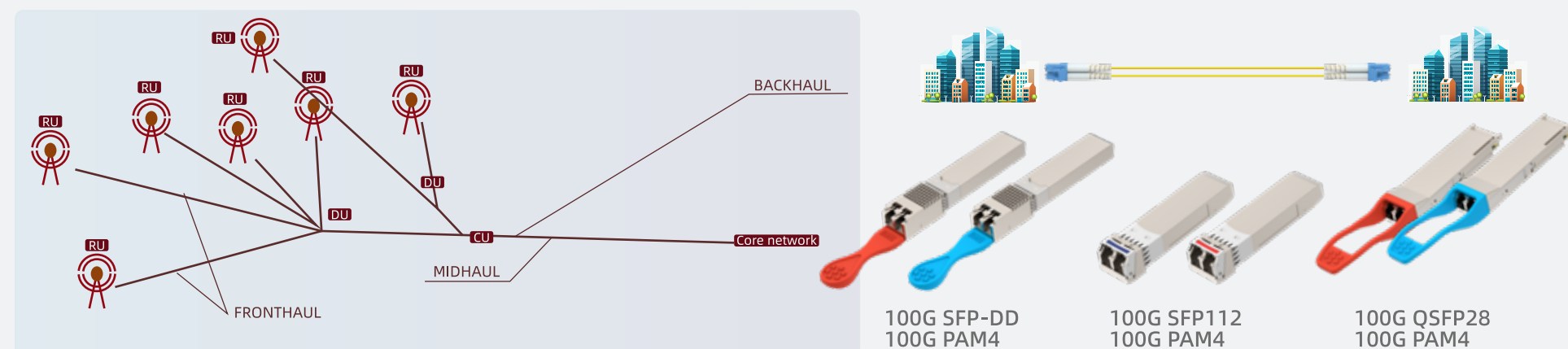


COLOR X 100G QSFP28 DWDM1 (O-band)

100G PAM4 Siph MZ technology 3.5W power consumption

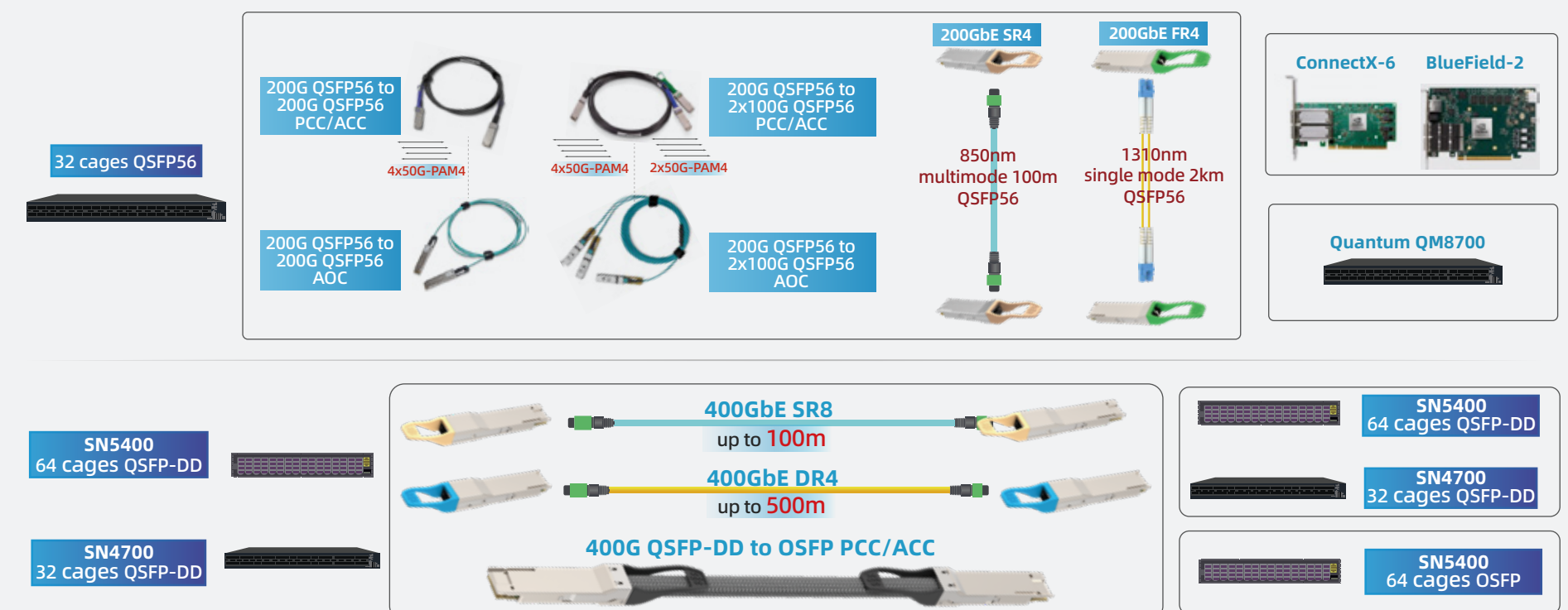
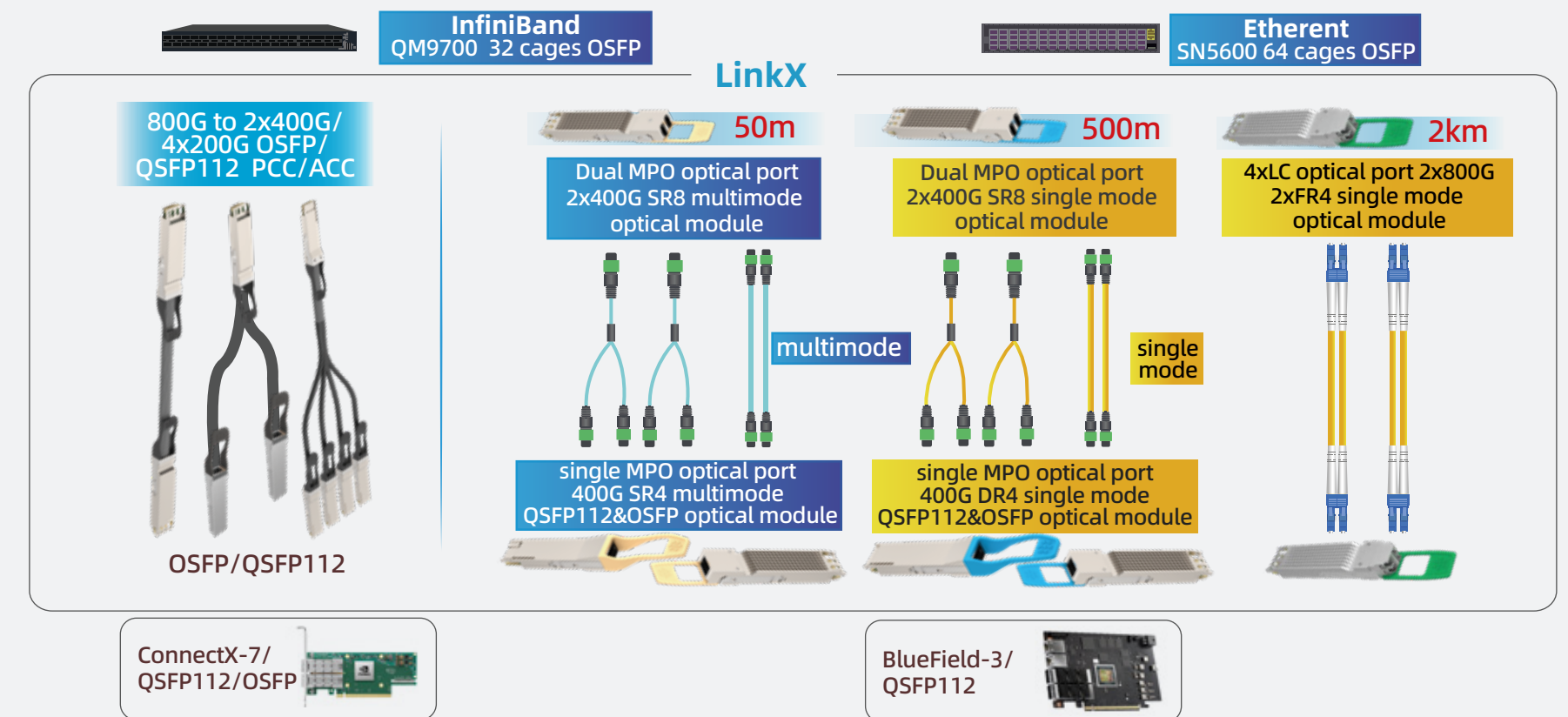


Next-Generation Single-Lambda 100G Optical Transceiver Solution



Product	Wavelength	Tx	Rx	Reach	Optical Interface	Power Consumption
100G SFP-DD FR1	1310nm	EML	PIN	2km	DuplexLC	3.5W
100G SFP-DD LR1-20	1310nm	EML	PIN	20km	DuplexLC	3.5W
100G SFP-DD ER1-30	1310nm	EML	PIN	30km	Duplex LC	3.5W
100G SP112 LR1	1310nm	EML	PIN	2km	DuplexLC	3.5W
100G SFP112 LR1-20	1310nm	EML	PIN	20km	DuplexLC	3.5W
100G SFP112 ER1-30	1310nm	EML	PIN	30km	DuplexLC	5.5W
100G QSFP28 FR1	1310nm	EML	PIN	2km	DuplexLC	3.5W
100G QSFP28 LR1-20	1310nm	EML	PIN	20km	DuplexLC	3.5W
100G QSFP28 ER1-30	1310nm	EML	PIN	30km	DuplexLC	5.5W

AI&DC Solutions And Key Products



Immersion Liquid Cooling Solutions And Products

