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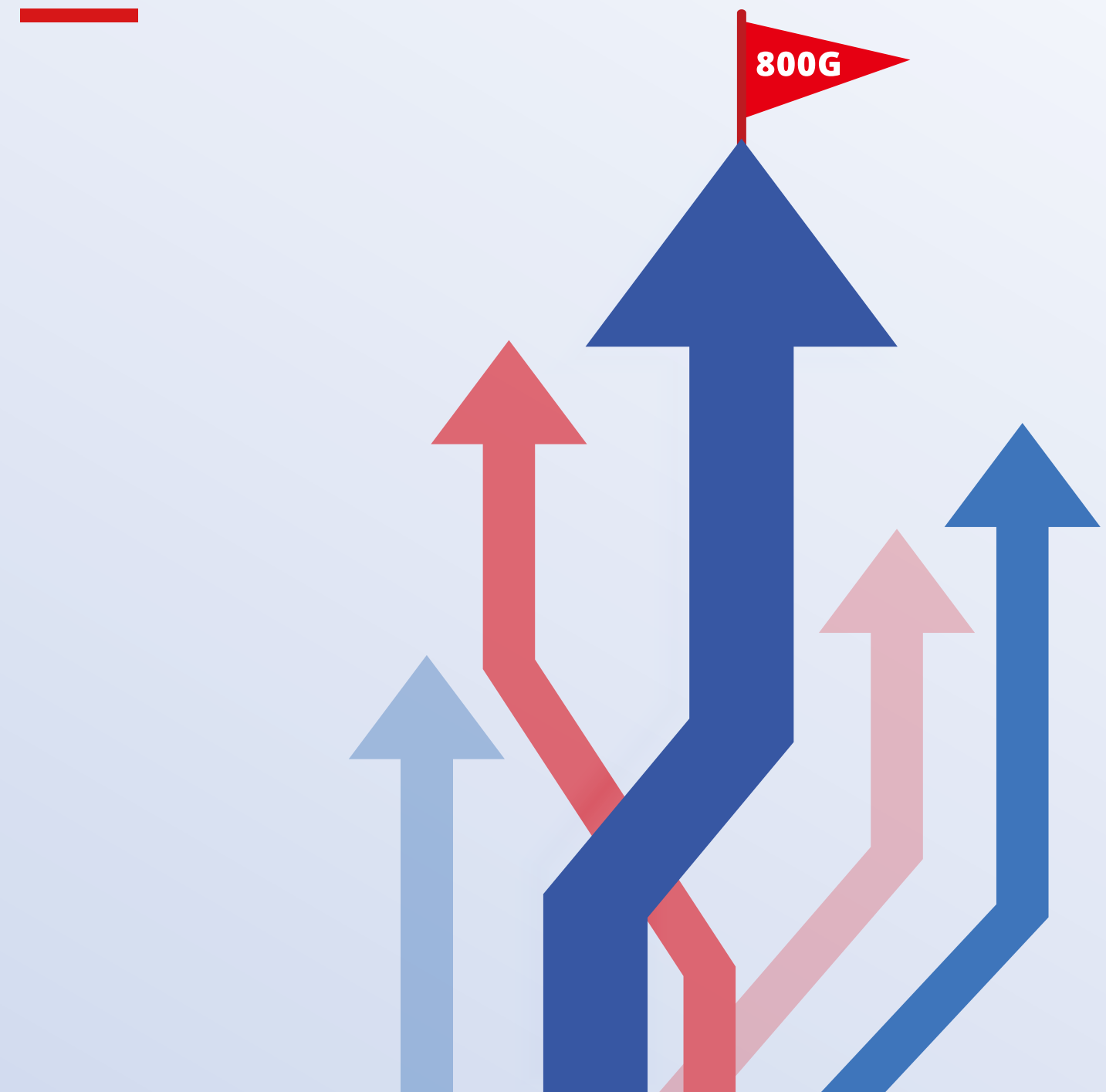
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Open Data Center Interconnect Cables and Optical Transceivers Products and Solutions Brochure



VN: YFY-SJZX-230713

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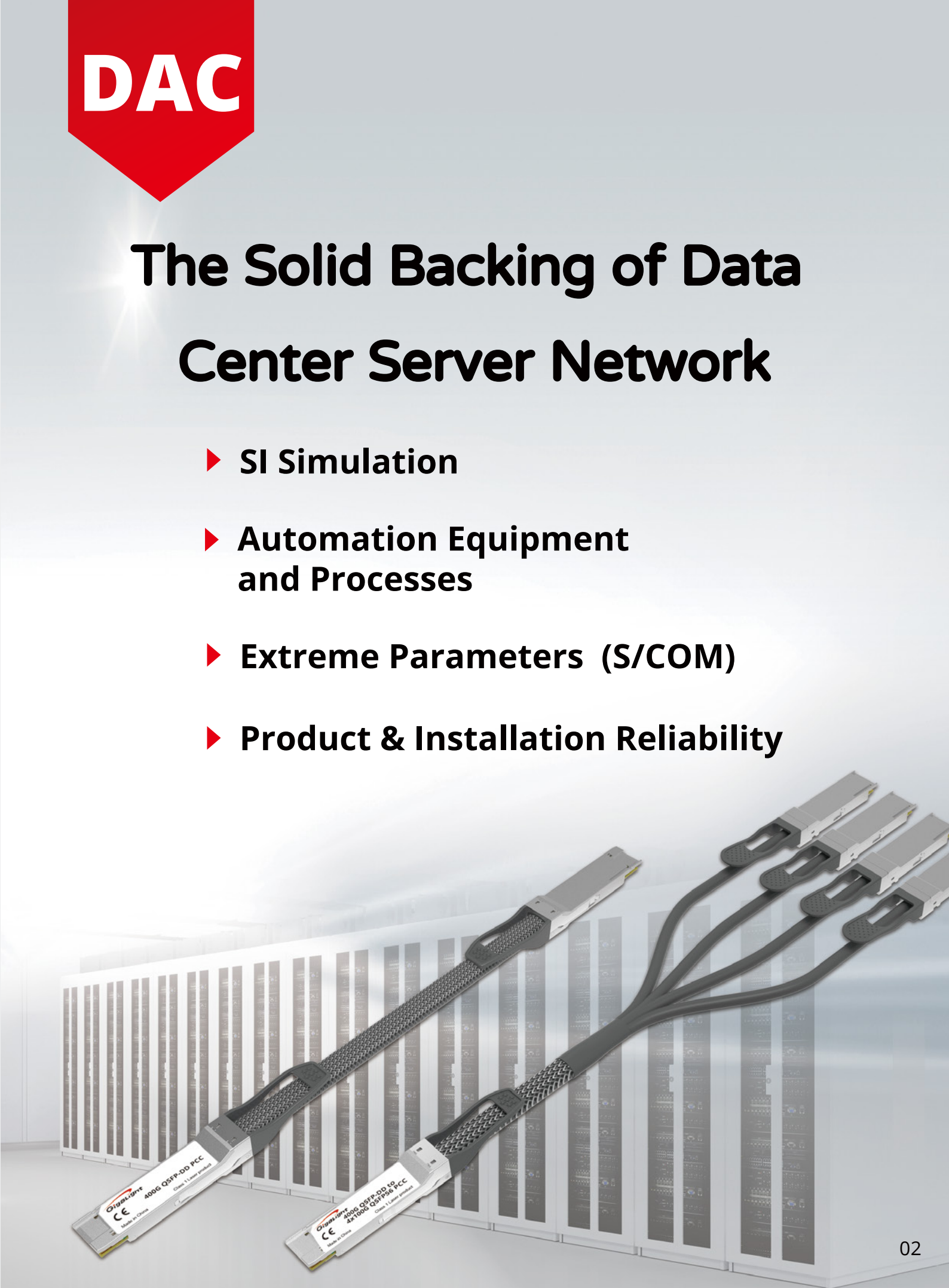
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The Solid Backing of Data Center Server Network

- ▶ SI Simulation
- ▶ Automation Equipment and Processes
- ▶ Extreme Parameters (S/COM)
- ▶ Product & Installation Reliability



DAC 10G/25G/50G

Features

- Single-channel full-duplex twinax copper cable
- 24, 26, or 30 AWG optional
- Hot-pluggable SFP MSA-compliant connectors
- Compliant with SFF-8402, SFF-8431 and SFF-8432
- Case operating temperature range: 0 to 70°C
- EEPROM customized with I²C interface
- Enhanced EMI/EMC performance
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Length (Meter)
10G SFP+ PCC	10.52	10GE FC	10GBASE-CU 10GFC	7
25G SFP28 PCC	25.78125	25GE	25GBASE-CR	5
50G SFP56 PCC	53.125	50GE	50GBASE-CR	3

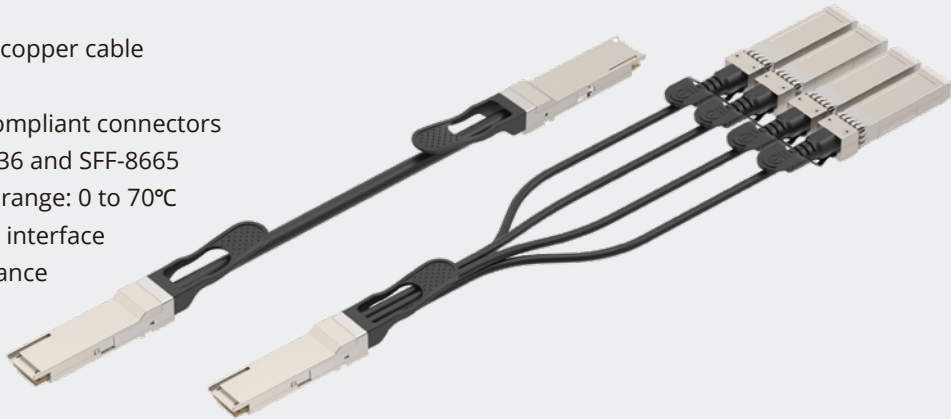
Ordering Information

10G SFP+ PCC			25G SFP28 PCC			50G SFP56 PCC		
P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG
GPP-PC192-30D05C	0.5	30	GPP-PC250-30D05C	0.5	30	GSS-PC560-D05C	0.5	30
GPP-PC192-3001C	1	30	GPP-PC250-3001C	1	30	GSS-PC560-01C	1	30
GPP-PC192-30D15C	1.5	30	GPP-PC250-30D15C	1.5	30	GSS-PC560-D15C	1.5	30
GPP-PC192-3002C	2	30	GPP-PC250-3002C	2	30	GSS-PC560-02C	2	30
GPP-PC192-30D25C	2.5	30	GPP-PC250-30D25C	2.5	26	GSS-PC560-D25C	2.5	26
GPP-PC192-3003C	3	30	GPP-PC250-2603C	3	26	GSS-PC560-03C	3	26
GPP-PC192-2404C	4	24	GPP-PC250-2604C	4	26			
GPP-PC192-2405C	5	24	GPP-PC250-2605C	5	26			
GPP-PC192-2406C	6	24						
GPP-PC192-2407C	7	24						

DAC 40G/56G

Features

- 4-channel full-duplex twinax copper cable
- 26 or 30 AWG optional
- Hot-pluggable QSFP+ MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- Case operating temperature range: 0 to 70°C
- EEPROM customized with I²C interface
- Enhanced EMI/EMC performance
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Length (Meter)
40G QSFP+ PCC	41.25	Ethernet InfiniBand	40GBASE-CR4 QDR	0.5~5
40G QSFP+ to 4×10G SFP+ Breakout PCC	41.25 4×10.3125	Ethernet	40GBASE-CR4 10GBASE-CU	5
56G QSFP+ PCC	56.25	InfiniBand	FDR	0.5~5

Ordering Information

40G QSFP+ PCC			40G QSFP+ to 4×10G SFP+ Breakout PCC			56G QSFP+ PCC		
P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG
GQS-PC400-30D05C	0.5	30	GQS-4SFP+PC-D05C	0.5	30	GQS-PC560-3001C	1	30
GQS-PC400-3001C	1	30	GQS-4SFP+PC-01C	1	30	GQS-PC560-3002C	2	30
GQS-PC400-3002C	2	30	GQS-4SFP+PC-02C	2	30	GQS-PC560-3003C	3	30
GQS-PC400-3003C	3	30	GQS-4SFP+PC-03C	3	30	GQS-PC560-2604C	4	26
GQS-PC400-2604C	4	26	GQS-4SFP+PC-04C	4	28	GQS-PC560-2605C	5	26
GQS-PC400-2605C	5	26	GQS-4SFP+PC-05C	5	28			

DAC 100G

Features

- 1/4-channel full-duplex twinax copper cable
- 26 or 30 AWG optional
- Hot-pluggable QSFP28/SFP112 MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- Case operating temperature range: 0 to 70°C
- EEPROM customized with I²C interface
- Enhanced EMI/EMC performance
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Length (Meter)
100G QSFP28 PCC	103.125	Ethernet InfiniBand	100GBASE-CR4 EDR	5
100G QSFP28 to 4×25G SFP28 Breakout PCC	103.125 4×25.78125	Ethernet	100GBASE-CR4 25GBASE-CR	5
100G SFP112 PCC	103.125	Ethernet	100GBASE-CR4 EDR	2
100G SFP112 ACC	103.125	Ethernet	100GBASE-CR4 EDR	5

Ordering Information

100G QSFP28 PCC			100G QSFP28 to 4×25G SFP28 Breakout PCC			100G SFP112 DAC		
P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG
GQS-PC101-01C	1	30	GQS-4P28-P01C	1	30	GSS-PC101-xxxC	1.8	26~30
GQS-PC101-02C	2	30	GQS-4P28-P02C	2	30	GSS-AC101-xxxC	5	26~30
GQS-PC101-03C	3	30/26	GQS-4P28-P03C	3	30/26			
GQS-PC101-04C	4	26	GQS-4P28-P04C	4	26			
GQS-PC101-05C	5	26	GQS-4P28-P05C	5	26			

DAC 200G

Features

- 4/8-channel full-duplex twinax copper cable
- 26 or 30 AWG optional
- Hot-pluggable QSFP56/QSFP-DD MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- Case operating temperature range: 0 to 70°C
- EEPROM customized with I²C interface
- Enhanced EMI/EMC performance
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Length (Meter)
200G QSFP56 PCC	212.5	Ethernet InfiniBand	200GBASE-CR4 HDR	3
200G QSFP56 ACC	212.5	Ethernet	200GBASE-CR4 HDR	7
200G QSFP56 to 4×50G SFP56 Breakout PCC	212.5 4×53.125	Ethernet	200GBASE-CR4 50GBASE-CR	5
200G QSFP-DD PCC	206.25	Ethernet	100GBASE-CR4 EDR	3
200G QSFP-DD to 4×50G QSFP28 Breakout PCC	206.25 4×51.5625	Ethernet	100GBASE-CR4 25GBASE-CR	3
200G QSFP-DD to 8×25G SFP28 Breakout PCC	206.25 8×25.78125	Ethernet	100GBASE-CR4 25GBASE-CR	3

Ordering Information

200G QSFP56 DAC			200G QSFP-DD PCC			200G QSFP56 to 4×50G SFP56 Breakout PCC		
P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG
GQS-PC201-01C	1	30	GQD-PC201-01C	1	30	GQS-4P56-P01C	1	30
GQS-PC201-02C	2	30	GQD-PC201-02C	2	30	GQS-4P56-P02C	2	30
GQS-PC201-03C	3	26	GQD-PC201-03C	3	26	GQS-4P56-P03C	3	26
GQS-AC201-xxC	7	26~30						
200G QSFP-DD to 4×50G QSFP28 Breakout PCC			200G QSFP-DD to 8×25G SFP28 Breakout PCC					
P/N	Length (Meter)	AWG	P/N	Length (Meter)	AWG			
GQD-4Q28P201-01C	1	30	GQD-8S28P201-01C	1	30			
GQD-4Q28P201-02C	2	30	GQD-8S28P201-02C	2	30			
GQD-4Q28P201-03C	3	26	GQD-8S28P201-03C	3	26			

DAC 400G

Features

- 4/8-channel full-duplex twinax copper cable
- 26 or 30 AWG optional
- Hot-pluggable QSFP-DD/QSFP112/OSFP MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- Case operating temperature range: 0 to 70°C
- EEPROM customized with I²C interface
- Enhanced EMI/EMC performance
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Length (Meter)
400G QSFP-DD PCC	425	Ethernet	400GBASE-CR8	3
400G QSFP-DD ACC	425	Ethernet	400GBASE-CR8	7
400G QSFP-DD to 4×100G QSFP56 Breakout PCC	425 4×106.25	Ethernet	400GBASE-CR8 100GBASE-CR2	3
400G QSFP-DD to 2×200G QSFP56 Breakout PCC	425 2×212.5	Ethernet	400GBASE-CR8 200GBASE-CR4	3
400G QSFP-DD to 8×50G SFP56 Breakout PCC	425 8×53.125	Ethernet	400GBASE-CR8 50GBASE-CR	3
400G QSFP112 PCC	425	Ethernet	400GBASE-CR4	3
400G QSFP112 ACC	425	Ethernet	400GBASE-CR4	5
400G OSFP112 PCC	425	Ethernet	400GBASE-CR4	2
400G OSFP112 ACC	425	Ethernet	400GBASE-CR4	5
400G OSFP PCC	425	Ethernet	400GBASE-CR8	2
400G OSFP ACC	425	Ethernet	400GBASE-CR8	5

Ordering Information

400G QSFP-DD DAC

P/N	Length (Meter)	AWG
GQD-PC401-01C	1	30
GQD-PC401-02C	2	30
GQD-PC401-03C	3	26
GQD-AC401-xxC	7	26~30

400G QSFP-DD to 2×200G QSFP56 Breakout PCC

P/N	Length (Meter)	AWG
GQD-2Q56P401-01C	1	30
GQD-2Q56P401-02C	2	30
GQD-2Q56P401-03C	3	26

400G QSFP-DD to 4×100G QSFP56 Breakout PCC

P/N	Length (Meter)	AWG
GQD-4Q56P401-01C	1	30
GQD-4Q56P401-02C	2	30
GQD-4Q56P401-03C	3	26

400G QSFP-DD to 8×50G SFP56 Breakout PCC

P/N	Length (Meter)	AWG
GQD-8S56P401-01C	1	30
GQD-8S56P401-02C	2	30
GQD-8S56P401-03C	3	26

400G QSFP112 DAC

P/N	Length (Meter)	AWG
GQS-PC401-01C	1	30
GQS-PC401-02C	2	30
GQS-PC401-03C	3	26
GQS-AC401-xxC	5	26~30

400G OSFP112 DAC

P/N	Length (Meter)	AWG
GOP-PC401-xxC	1.8	26~30
GOP-AC401-xxC	5	26~30

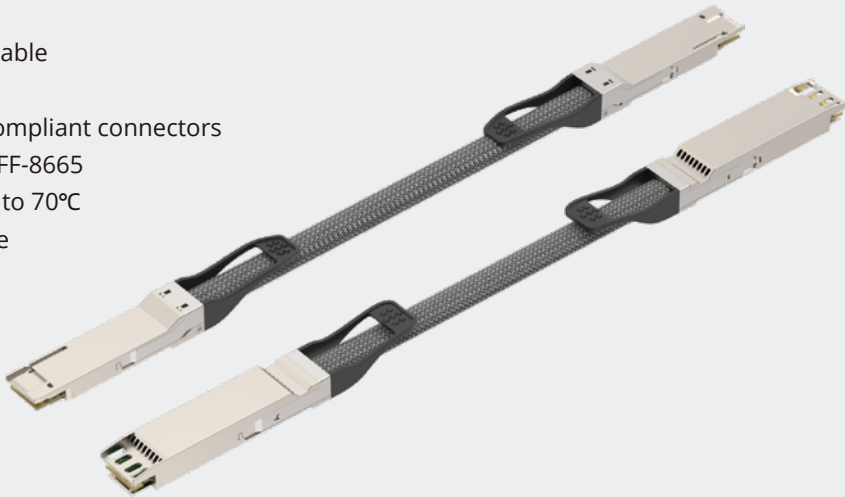
400G OSFP DAC

P/N	Length (Meter)	AWG
GOS-PC401-xxC	1.8	26~30
GOS-AC401-xxC	5	26~30

DAC 800G

Features

- 8-channel full-duplex twinax copper cable
- 26 or 30 AWG optional
- Hot-pluggable QSFP-DD/OSFP MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- Case operating temperature range: 0 to 70°C
- EEPROM customized with I²C interface
- Enhanced EMI/EMC performance
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Length (Meter)
800G QSFP-DD PCC	850	Ethernet	800GBASE-CR8	2
800G QSFP-DD ACC	850	Ethernet	800GBASE-CR8	5
800G OSFP PCC	850	Ethernet	800GBASE-CR8	1.8
800G OSFP ACC	850	Ethernet	800GBASE-CR8	5
800G QSFP-DD to 2×400G QSFP112 Breakout PCC	850 2×425	Ethernet	800GBASE-CR8 400GBASE-CR4	2
800G QSFP-DD to 2×400G QSFP112 Breakout ACC	850 2×425	Ethernet	800GBASE-CR8 400GBASE-CR4	5
800G OSFP to 2×400G OSFP112 Breakout PCC	850 2×425	Ethernet	800GBASE-CR8 400GBASE-CR4	1.8
800G OSFP to 2×400G OSFP112 Breakout ACC	850 2×425	Ethernet	800GBASE-CR8 400GBASE-CR4	5

Ordering Information

800G QSFP-DD DAC

P/N	Length (Meter)	AWG
GQD-PC801-01C	1	30
GQD-PC801-02C	2	30
GQD-AC801-xxC	5	26~30

800G QSFP-DD to 2×400G QSFP112 Breakout DAC

P/N	Length (Meter)	AWG
GQD-2QPC801-01C	1	30
GQD-2QPC801-02C	2	30
GQD-2QAC801-xxC	5	26~30

800G OSFP to 2×400G OSFP112 Breakout DAC

P/N	Length (Meter)	AWG
GOS-2OPC801-xxC	1.8	26~30
GOS-2OAC801-xxC	5	26~30

800G OSFP DAC

P/N	Length (Meter)	AWG
GOS-PC801-xxC	1.8	26~30
GOS-AC801-xxC	5	26~30

The Most Trusted Active Optical Cables



Complete product line based on more than 10 years of R&D experience



World-renowned brand based on more than 3 million of shipment



Widely recognized by global data centers and deployed on a large scale

AOC 10G/25G/50G

Features

- Single-channel full-duplex active optical cable
- 850nm VCSEL transmitter and PIN receiver
- Hot-pluggable SFP MSA-compliant connectors
- Compliant with SFF-8402, SFF-8431 and SFF-8432
- OM2, OM3 or OM4 MMF optional
- EEPROM customized with I²C interface
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Power Consumption (W)
10G SFP+ AOC	10.3125	Ethernet Fibre Channel	10GBASE-SR 4GFC/8GFC	0.8
25G SFP28 AOC	25.78125	Ethernet	25GBASE-SR	1
25G SFP28 AOC (Enhanced)	25.78125	Ethernet	25GBASE-SR	1
32GFC SFP28 AOC	28.05	Fibre Channel	32GFC SW	1
32GFC SFP28 AOC (Enhanced)	28.05	Fibre Channel	32GFC SW	1
50G SFP56 AOC	53.125	Ethernet	50GBASE-SR	2

Ordering Information

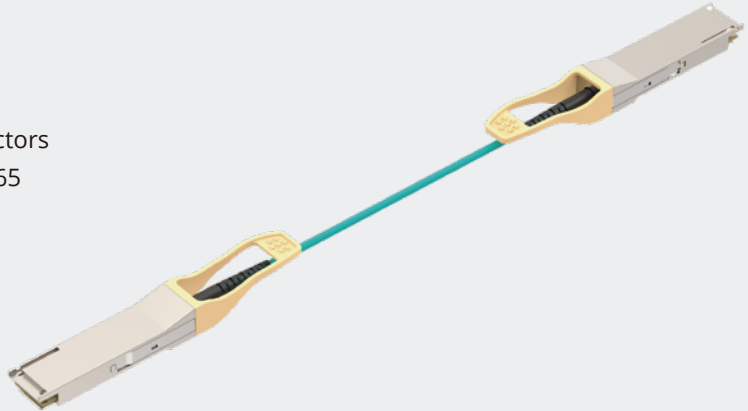
Product	P/N	Length
10G SFP+ AOC	GSS-MDO100-xxxC	Up to 300m over OM3 MMF or 400m over OM4 MMF (with FEC)
25G SFP28 AOC	GSS-MDO250-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
25G SFP28 AOC (Enhanced)	GSS-MDO250-xxxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (without FEC) Up to 200m over OM3 MMF or 300m over OM4 MMF (with FEC)
32GFC SFP28 AOC	GSS-MDO280-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
32GFC SFP28 AOC (Enhanced)	GSS-MDO280-xxxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (without FEC) Up to 200m over OM3 MMF or 300m over OM4 MMF (with FEC)
50G SFP56 AOC	GSS-MDO560-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)

Note: The "xxx" in the P/N means the Length, e.g., 001 means 1 meter, 002 means 2 meters, 010 means 10 meters, 100 means 100 meters, etc.

AOC 40G/56G

Features

- 4-channel full-duplex active optical cable
- 850nm VCSEL transmitter and PIN receiver
- Hot-pluggable QSFP MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- OM3, OM4 or OM5 MMF optional
- EEPROM customized with I²C interface
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Power Consumption (W)	
				End 1	End 2
40G QSFP+ AOC	41.25	Ethernet InfiniBand	40GBASE-SR4 SDR/DDR/QDR	1.5	
56G QSFP+ AOC	56.25	Fibre Channel InfiniBand	16GFC FDR	1.5	
40G QSFP+ to 4×10G SFP+ Breakout AOC	41.25 4×10.3125	Ethernet	40GBASE-SR4 10GBASE-SR	1.5	0.8

Ordering Information

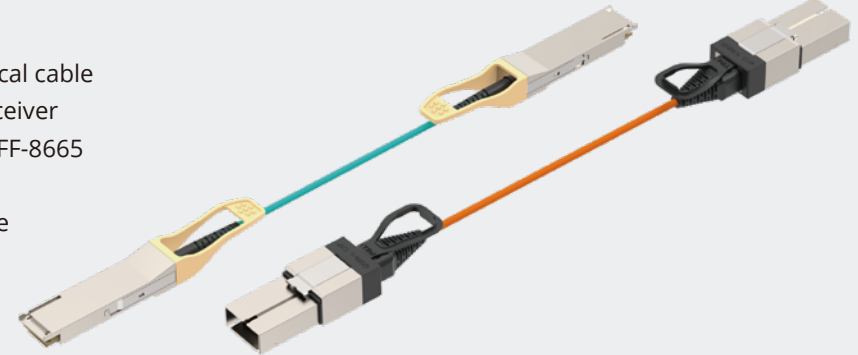
Product	P/N	Length
40G QSFP+ AOC	GQS-MDO400-xxxC	Up to 300m over OM3 MMF or 400m over OM4 MMF (with FEC)
56G QSFP+ AOC	GQS-MDO560-xxxC	Up to 100m over OM3 MMF or 150m over OM4 MMF (with FEC)
40G QSFP+ to 4×10G SFP+ Breakout AOC	GQP-MDO400-xxxC	Up to 100m over OM3 MMF (with FEC)

Note: The "xxx" in the P/N means the Length, e.g., 001 means 1 meter, 002 means 2 meters, 010 means 10 meters, 100 means 100 meters, etc.

AOC 100G/128G/120G

Features

- 1/4/12-channel full-duplex active optical cable
- 850nm VCSEL transmitter and PIN receiver
- Compliant with CMIS, SFF-8636 and SFF-8665
- OM3, OM4 or OM5 MMF optional
- EEPROM customized with I²C interface
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Power Consumption (W)	
				End 1	End 2
100G QSFP28 AOC	103.125	Ethernet InfiniBand	40G/100GBASE-SR4 FDR/EDR	2	
100G QSFP28 Enhanced AOC	103.125	Ethernet InfiniBand	40G/100GBASE-SR4 FDR/EDR	2	
128GFC QSFP28 AOC	112.2	Ethernet Fibre Channel	100GBASE-SR4 128GFC SW4	2	
128GFC QSFP28 Enhanced AOC	112.2	Ethernet Fibre Channel	100GBASE-SR4 128GFC SW4	2	
100G QSFP28 AOC (SR1.2)	106.25	Ethernet	100GBASE-SR 1.2	3	
100G QSFP28 to 2×50G QSFP28 Breakout AOC	103.125 2×51.5625	Ethernet	100GBASE-SR4 25GBASE-SR	2	1.5
100G QSFP28 to 4×25G SFP28 Breakout AOC	103.125 4×25.78125	Ethernet	100GBASE-SR4 25GBASE-SR	2	1
100G SFP-DD AOC*	106.25	Ethernet	100GBASE-SR 1.2	3	
100G SFP112 AOC*	103.125	Ethernet	100GBASE-SR1	3	
120G CXP AOC	123.75	Ethernet InfiniBand	10GBASE-SR SDR/DDR/QDR	2.5	
120G CXP to 3×40G QSFP+ Breakout AOC	123.75 3×41.25	Ethernet InfiniBand	10GBASE-SR 40GBASE-SR4 SDR/DDR/QDR	2.5	1.5

Ordering Information

Product	P/N	Length
100G QSFP28 AOC	GQS-MDO101-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
100G QSFP28 Enhanced AOC	GQS-MDO101-exxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (without FEC) Up to 200m over OM3 MMF or 300m over OM4 MMF (with FEC)
128GFC QSFP28 AOC	GQS-MDO111-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
128GFC QSFP28 Enhanced AOC	GQS-MDO111-exxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (without FEC) Up to 200m over OM3 MMF or 300m over OM4 MMF (with FEC)
100G QSFP28 AOC (SR1.2)	GQS-MDO101-BxxxC	Up to 100m over OM4 MMF or 150m over OM5 MMF (with FEC)
100G QSFP28 to 2×50G QSFP28 Breakout AOC	GQQ2-MDO101-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
100G QSFP28 to 4×25G SFP28 Breakout AOC	GQP-MDO101-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
100G SFP-DD AOC*	GSD-MDO101-xxxC	Up to 100m over OM4 MMF or 150m over OM5 MMF (with FEC)
100G SFP112 AOC*	GSS-MDO101-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
120G CXP AOC	GCX-MDO121-xxxC	Up to 300m over OM3 MMF or 400m over OM4 MMF (with FEC)
120G CXP to 3×40G QSFP+ Breakout AOC	GCQ-MDO121-xxxC	Up to 100m over OM3 MMF (with FEC)

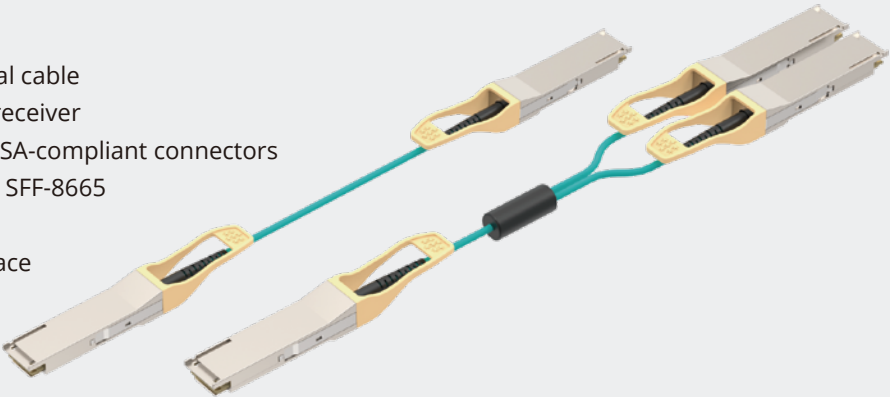
Note: The "xxx" in the P/N means the Length, e.g., 001 means 1 meter, 002 means 2 meters, 010 means 10 meters, 100 means 100 meters, etc.

* It's preliminary

AOC 200G

Features

- 4/8-channel full-duplex active optical cable
- 850nm VCSEL transmitter and PIN receiver
- Hot-pluggable QSFP56/ QSFP-DD MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- OM3, OM4 or OM5 MMF optional
- EEPROM customized with I²C interface
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Power Consumption (W)	
				End 1	End 2
200G QSFP56 AOC (DSP)	212.5	Ethernet	100/200GBASE-SR4	5	
200G QSFP56 to 2×100G QSFP56 Breakout AOC	212.5 2×106.25	Ethernet	200GBASE-SR4 100GBASE-SR2	5	4.5
200G QSFP56 to 4×50G QSFP56 Breakout AOC	212.5 4×53.125	Ethernet	200GBASE-SR4 50GBASE-SR	5	3
200G QSFP56 to 4×50G SFP56 Breakout AOC	212.5 4×53.125	Ethernet	200GBASE-SR4 50GBASE-SR	5	2
200G QSFP-DD AOC	206.25	Ethernet	100GBASE-SR4	4	
200G QSFP-DD to 2×100G QSFP28 Breakout AOC	206.25 2×103.125	Ethernet	100GBASE-SR4	4	2
200G QSFP-DD to 4×50G QSFP28 Breakout AOC	206.25 4×51.5625	Ethernet	400GBASE-SR8 200GBASE-SR4	4	1.5
200G QSFP-DD to 8×25G SFP28 Breakout AOC	206.25 8×25.78125	Ethernet	100GBASE-SR4 25GBASE-SR	4	1

Ordering Information

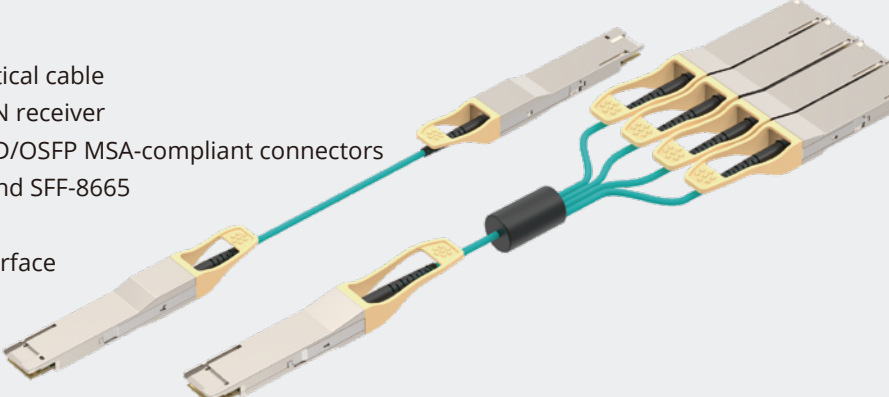
Product	P/N	Length
200G QSFP56 AOC (DSP)	GQS-MDO201-xxxC	Up to 70m over OM3 MMF or 100m over OM4/OM5 MMF (with FEC)
200G QSFP56 to 2×100G QSFP56 Breakout AOC	GQQ2-MDO201-xxxC	Up to 70m over OM3 MMF or 100m over OM4/OM5 MMF (with FEC)
200G QSFP56 to 4×50G QSFP56 Breakout AOC	GQQ4-MDO201-xxxC	Up to 70m over OM3 MMF or 100m over OM4/OM5 MMF (with FEC)
200G QSFP56 to 4×50G SFP56 Breakout AOC	GQP-MDO201-xxxC	Up to 70m over OM3 MMF or 100m over OM4/OM5 MMF (with FEC)
200G QSFP-DD AOC	GQD-MDO201-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
200G QSFP-DD to 2×100G QSFP28 Breakout AOC	GDA2-MDO201-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
200G QSFP-DD to 4×50G QSFP28 Breakout AOC	GDA2-MDO401-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
200G QSFP-DD to 8×25G SFP28 Breakout AOC	GDS8-MDO201-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)

Note: The "xxx" in the P/N means the Length, e.g., 001 means 1 meter, 002 means 2 meters, 010 means 10 meters, 100 means 100 meters, etc.

AOC 400G

Features

- 4/8-channel full-duplex active optical cable
- 850nm VCSEL transmitter and PIN receiver
- Hot-pluggable QSFP112/ QSFP-DD/OSFP MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- OM3, OM4 or OM5 MMF optional
- EEPROM customized with I²C interface
- RoHS compatible (lead free)



Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Power Consumption (W)	
				End 1	End 2
400G QSFP-DD AOC	425	Ethernet	400GBASE-SR8 200GBASE-SR4	9	
400G QSFP-DD to 2×200G QSFP56 Breakout AOC	425 2×212.5	Ethernet	400GBASE-SR8 200GBASE-SR4	9	5
400G QSFP-DD to 4×100G QSFP56 Breakout AOC	425 4×106.25	Ethernet	400GBASE-SR8 100GBASE-SR2	9	4.5
400G QSFP-DD to 8×50G SFP56 Breakout AOC	425 8×53.125	Ethernet	200G/400GBASE-SR4 50GBASE-SR	9	2
400G QSFP112 AOC	425	Ethernet	400GBASE-SR4	8	
400G OSFP112 AOC	425	Ethernet	400GBASE-SR4	8	

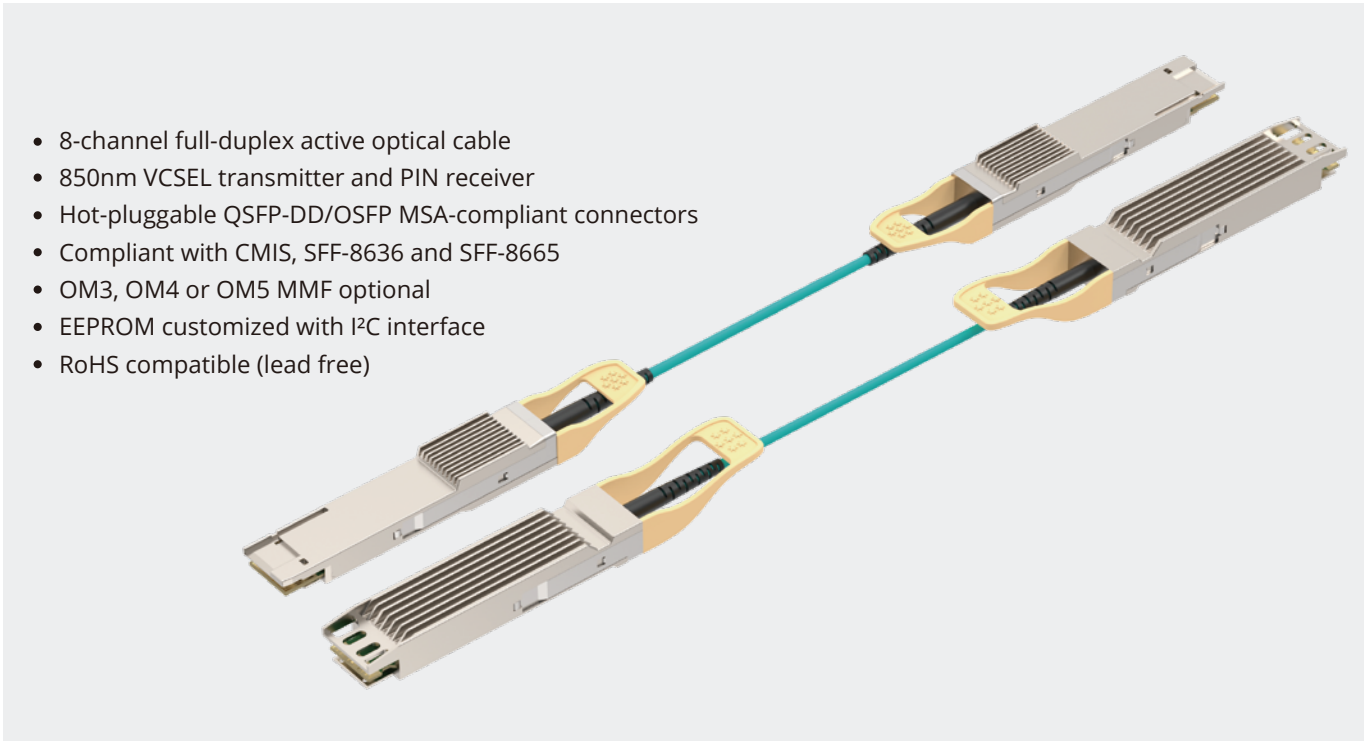
Ordering Information

Product	P/N	Length
400G QSFP-DD AOC	GQD-MDO401-xxxC	Up to 70m over OM3 MMF or 100m over OM4 MMF (with FEC)
400G QSFP-DD to 2×200G QSFP56 Breakout AOC	GDA2-MDO401-xxxC	Up to 70m over OM3 MMF or 100m over OM4/OM5 MMF (with FEC)
400G QSFP-DD to 4×100G QSFP56 Breakout AOC	GDA4-MDO401-xxxC	Up to 70m over OM3 MMF or 100m over OM4/OM5 MMF (with FEC)
400G QSFP-DD to 8×50G SFP56 Breakout AOC	GDS8-MDO401-xxxC	Up to 70m over OM3 MMF or 100m over OM4/OM5 MMF (with FEC)
400G QSFP112 AOC	GQS-MDO401-xxxC	Up to 60m over OM3 MMF or 100m over OM4 MMF (with FEC)
400G OSFP112 AOC	GOP-MDO401-xxxC	Up to 60m over OM3 MMF or 100m over OM4 MMF (with FEC)

Note: The "xxx" in the P/N means the Length, e.g., 001 means 1 meter, 002 means 2 meters, 010 means 10 meters, 100 means 100 meters, etc.

AOC 800G

Features



- 8-channel full-duplex active optical cable
- 850nm VCSEL transmitter and PIN receiver
- Hot-pluggable QSFP-DD/OSFP MSA-compliant connectors
- Compliant with CMIS, SFF-8636 and SFF-8665
- OM3, OM4 or OM5 MMF optional
- EEPROM customized with I²C interface
- RoHS compatible (lead free)

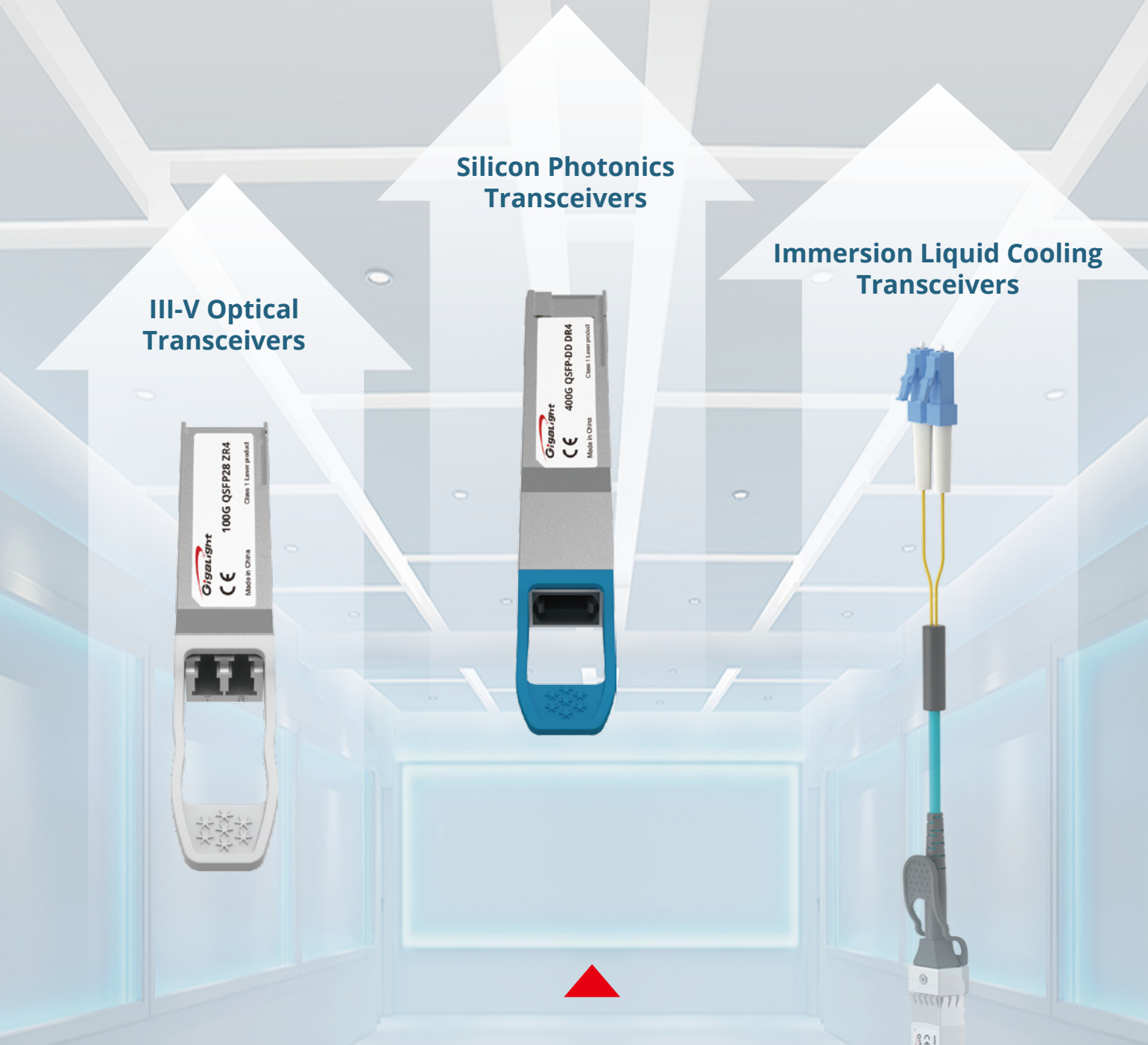
Product	Max. Data Rate (Gbps)	Network Application	Standard	Max. Power Consumption (W)	
				End 1	End 2
800G QSFP-DD AOC	850	Ethernet	800GBASE-SR8	14	
800G OSFP AOC	850	Ethernet	800GBASE-SR8	14	
800G QSFP-DD to 2×400G QSFP112 Breakout AOC	850 2×425	Ethernet	800GBASE-SR8 400GBASE-SR4	14	8
800G OSFP to 2×400G OSFP112 Breakout AOC	850 2×425	Ethernet	800GBASE-SR8 400GBASE-SR4	14	8

Ordering Information

Product	P/N	Length
800G QSFP-DD AOC	GQD-MDO801-xxxC	Up to 60m over OM3 MMF or 100m over OM4 MMF (with FEC)
800G OSFP AOC	GOS-MDO801-xxxC	Up to 60m over OM3 MMF or 100m over OM4 MMF (with FEC)
800G QSFP-DD to 2×400G QSFP112 Breakout AOC	GDS2-MDO801-xxxC	Up to 60m over OM3 MMF or 100m over OM4 MMF (with FEC)
800G OSFP to 2×400G OSFP112 Breakout AOC	GOx2-MDO801-xxxC	Up to 60m over OM3 MMF or 100m over OM4 MMF (with FEC)

Note: The "xxx" in the P/N means the Length, e.g., 001 means 1 meter, 002 means 2 meters, 010 means 10 meters, 100 means 100 meters, etc.

Transceivers



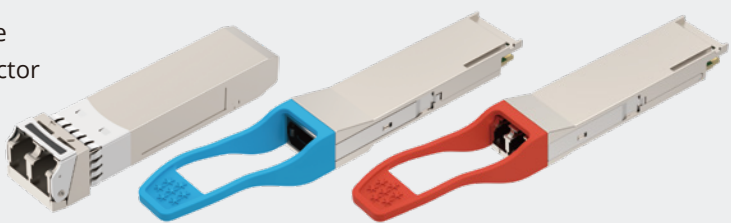
**One-Stop Data Center Integration
Solution - Optical Devices
Manufacturer - GIGALIGHT**

III-V Optical Transceivers

10G/16G/25G/32G/40G/50G/56G

Features

- 1/4-channel full-duplex optical transceiver module
- Hot-pluggable SFP/QSFP+ MSA-compliant form factor
- Compliant with SFF-8402, SFF-8431 and SFF-8432
- Data rate up to 10.3125Gbps~56.25Gbps
- EEPROM customized with I²C interface
- RoHS compatible (lead free)

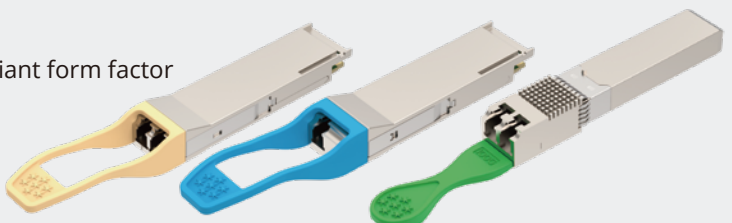


Product	Standard	Transmitter	Receiver	Reach	Optical Interface	Case Operating Temperature(°C)	Max. Power Consumption(W)	P/N
10G SFP+ SR	10GBASE-SR	850nm VCSEL	PIN	300m(OM3) 400m(OM4)	Dual LC	0 to 70	0.8	GPP-85192-SRC
10G SFP+ LR	10GBASE-SR	1310nm DFB	PIN	10km/20km	Dual LC	0 to 70 -40 to +85	1	GPP-31192-LRT GPP-31192-L2C
10G SFP+ ER	10GBASE-ER	1550nm EML	PIN	40km	Dual LC	0 to 70	1.5	GPP-55192-ERC
10G SFP+ ER	10GBASE-ER	1310nm DFB	APD	40km	Dual LC	0 to 70	1	GPP-31192-ERC
16GFC SFP+SR	16GFC-SW	850nm VCSEL	PIN	100m(OM3) 190m(OM4)	Dual LC	0 to 70	1.2	GPP-8514G-SRC
16GFC SFP+LR	16GFC-LW	1310nm DML	PIN	10km	Dual LC	0 to 70	1.5	GPP-3114G-LRC
16GFC SFP+ DWDM	16GFC-DWDM	C18-C61 100GHz EML	PIN	10km	Dual LC	0 to 70 -40 to +85	1.8	GDP-xx14G-01C GDP-xx14G-01T
16GFC SFP+ DWDM	16GFC-DWDM	C18-C61 100GHz EML	APD	40km	Dual LC	0 to 70 -40 to +85	1.8	GDP-xx14G-04C GDP-xx14G-04T
25G SFP28 SR	25GBASE-SR	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	Dual LC	0 to 70 -40 to +85	1	GSS-MPO250-SRC GSS-MPO250-SRT
25G SFP28 eSR	25GBASE-SR	850nm VCSEL	PIN	200m(OM3) 300m(OM4)	Dual LC	0 to 70 -40 to +85	1	GSS-MPO250-eSRC GSS-MPO250-eSRT
25G SFP28 LR	25GBASE-LR	1310nm DML	PIN	10km/20km	Dual LC	0 to 70 -40 to +85	1.2	GSS-SPO250-LRC/T GSS-SPO250-L2C/T
25G SFP28 ER	25GBASE-ER	1310nm EML	APD	40km	Dual LC	0 to 70 -40 to +85	1.8	GSS-SPO250-ERC/T
25G SFP28 DWDM	25G-DWDM	O-BAND DML	PIN	10km	Dual LC	0 to 70 -40 to +85	1.8	GSS-Oxx250-LRC/T
32G SFP28 SR	32GFC-SW	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	Dual LC	0 to 70 -40 to +85	1	GSS-MPO280-SRC GSS-MPO280-SRT
32G SFP28 eSR	32GFC-SW	850nm VCSEL	PIN	200m(OM3) 300m(OM4)	Dual LC	0 to 70 -40 to +85	1	GSS-MPO280-eSRC GSS-MPO280-eSRT
32G SFP28 LR	32GFC-LW	1310nm DML	PIN	10km	Dual LC	0 to 70 -40 to +85	1.8	GSS-SPO280-LRC GSS-SPO280-LRT
32G SFP28 ER	32GFC-EW	1310nm EML	APD	40km	Dual LC	0 to 70 -40 to +85	1.8	GSS-SPO280-ERC GSS-SPO280-ERT
32G SFP28 DWDM 10km	32GFC-DWDM	C18-C61 100GHz EML	PIN	2km 10km	Dual LC	0 to 70 -40 to +85	1.8	GSS-Dxx280-LRC GSS-Dxx280-LRT
40G QSFP+ SR4	40GBASE-SR4 QDR	850nm VCSEL	PIN	300m(OM3) 400m(OM4)	MPO12	0 to 70 -40 to +85	1.5	GQS-MPO400-SR4C GQS-MPO400-SR4T
40G QSFP+ PSM4	40G-PSM4 QDR	1310nm FP/DML	PIN	2km/10km	MPO12	0 to 70	3.5	GQM-SPO400-IR4C GQM-SPO400-LR4C
40G QSFP+ LR4	40GBASE-LR4 QDR	CWDM4 FP/DML	PIN	2km/10km	Dual LC	0 to 70	3.5	GQS-SPO400-IR4C GQS-SPO400-LR4C
40G QSFP+ ER4	40GBASE-ER4	CWDM4 DML	APD	40km	Dual LC	0 to 70	3.5	GQS-SPO400-ER4C
50G SFP56 SR	50GBASE-SR	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	Dual LC	0 to 70	2	GSS-MPO560-SRC
50G SFP56 LR	50GBASE-LR	1310nm EML	PIN	10km	Dual LC	0 to 70 -40 to +85	3	GSS-SPO500-LR1C GSS-SPO500-LR1T
50G SFP56 ER	50GBASE-ER	1310nm EML	APD	40km	Dual LC	0 to 70 -40 to +85	3	GSS-SPO500-ER1C GSS-SPO500-ER1T
50G SFP56 BiDi LR	50GBASE BR20-U/D	1330/1270nm EML	PIN	20km	Simplex LC	0~70 -40~-+85	3	GBS-3327500-L2C/T GBS-2733500-L2C/T
50G SFP56 BiDi LR	50GBASE BR30-U/D	1270/1310nm EML	APD	30km	Simplex LC	0~70 -40~-+85	3	GBS-2731500-L3C/T GBS-3127500-L3C/T
50G SFP56 DWDM	50G-DWDM	C-BAND EML	PIN	5km	Dual LC	0~70 -40~-+85	3	GSS-Dxx500-05C GSS-Dxx500-05T
50G SFP56 DWDM	50G-DWDM	O-BAND DML	PIN	10km	Dual LC	0~70 -40~-+85	3	GSS-Oxx500-LRC GSS-Oxx500-LRT
56G (4x16GFC) QSFP+ SR4	16GFC-SW FDR	850nm VCSEL	PIN	100m(OM3) 150m(OM4)	MPO12	0~70	1.5	GQS-MPO560-SR4C

III-V Optical Transceivers 100G/128G

Features

- 1/4-channel full-duplex optical transceiver module
- Hot-pluggable QSFP28/SFP-DD/SFP112 MSA-compliant form factor
- Compliant with CMIS, SFF-8636 and SFF-8665
- Data rate up to 103.125/106.25/112.2Gbps
- EEPROM customized with I²C interface
- RoHS compatible (lead free)

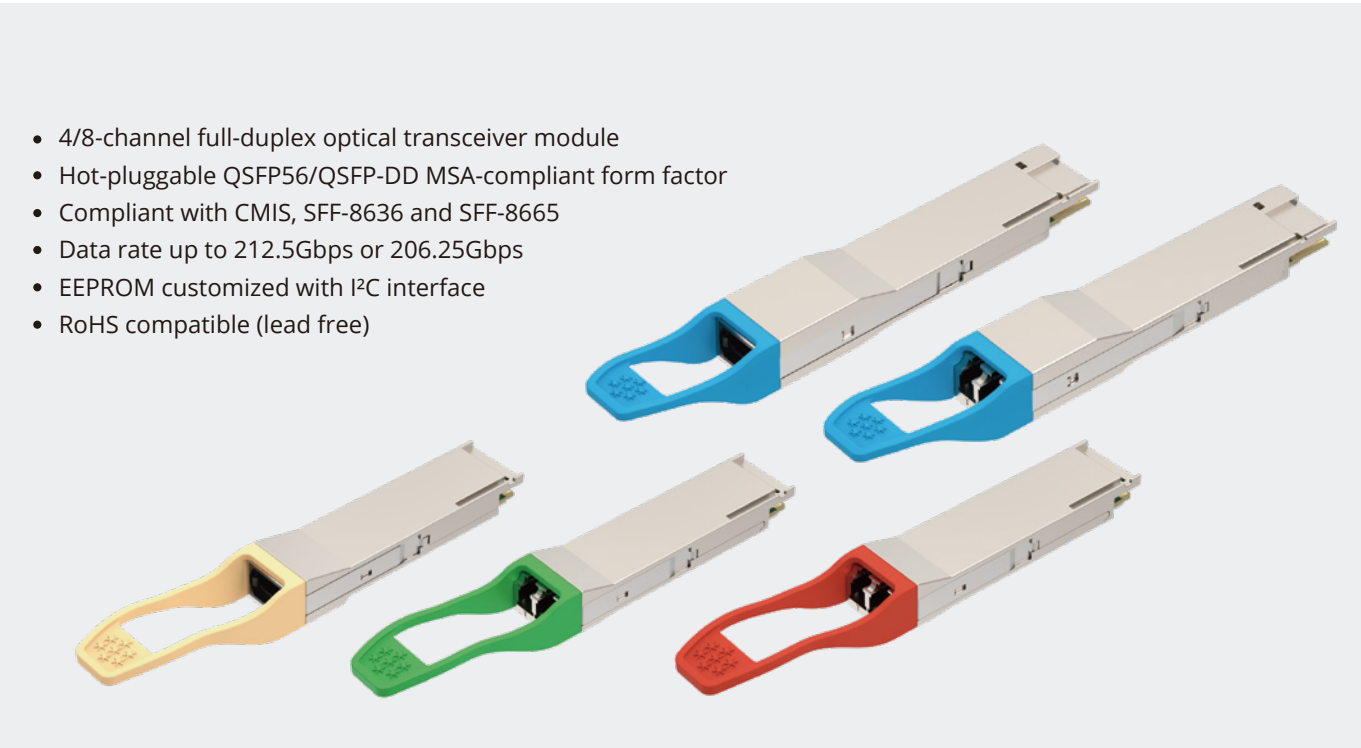


Product	Standard	Transmitter	Receiver	Reach	Optical Interface	Case Operating Temperature (°C)	Max. Power Consumption (W)	P/N
100G QSFP28 SR4	100GBASE-SR4 EDR	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12	0 to 70 -40 to +85	2	GQS-MPO101-SR4C GQS-MPO101-SR4T
100G QSFP28 SR4(Dual Rates)	100GBASE-SR4 OTU4	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12	0 to 70 -40 to +85	2	GQS-MPO111-SR4C GQS-MPO111-SR4T
100G QSFP28 SR4(Rugged)	100GBASE-SR4 EDR	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12	0 to 70	3.5	GQSF-MPO101-SR4C
100G QSFP28 eSR4	100GBASE-SR4 EDR	850nm VCSEL	PIN	200m(OM3) 300m(OM4)	MPO12	0 to 70 -40 to +85	2	GQS-MPO101-eSR4C GQS-MPO101-eSR4T
100G QSFP28 eSR4(Dual Rates)	100GBASE-SR4 OTU4	850nm VCSEL	PIN	200m(OM3) 300m(OM4)	MPO12	0 to 70 -40 to +85	2	GQS-MPO111-eSR4C
100G QSFP28 PSM4	100G-PSM4 EDR	1310nm DML	PIN	2km/10km	MPO12	0 to 70 -40 to +85	3.5	GQM-SPO101-IR4C GQM-SPO101-LR4C GQM-SPO101-LR4T
100G QSFP28 PSM4(Rugged)	100G-PSM4 EDR	1310nm DML	PIN	2km	MPO12	0 to 70	3.5	GQMF-SPO101-LR4C
100G QSFP28 CWDM4	100G-CWDM4 EDR	CWDM4 DML	PIN	2km/10km	Dual LC	0 to 70 -40 to +85	3.5	GQS-SPO101-CIR4C GQS-SPO101- CLR4C GQS-SPO101- CLR4T
100G QSFP28 CWDM4(Rugged)	100G-CWDM4 EDR	CWDM4 DML	PIN	2km	Dual LC	0 to 70	3.5	GQSF-SPO101- CLR4C
100G QSFP28 CLR4	100G-CLR4 EDR	CWDM4 DML	PIN	2km/10km	Dual LC	0 to 70 -40 to +85	3.5	GQS-SPO101-CCR4CB GQS-SPO101-CMR4C
100G QSFP28 4WDM-10	100G-4WDM-10 EDR	CWDM4 DML	PIN	10km	Dual LC	0 to 70 -40 to +85	4	GQS-SPO101-4LR4C GQS-SPO101-4LR4T
100G QSFP28 LR4	100GBASE-LR4	LWDM4 DML	PIN	10km/20km	Dual LC	0 to 70 -40 to +85	3.5	GQS-SPO101-LR4C GQS-SPO101-LR4T GQS-SPO101-L24C
100G QSFP28 LR4(Dual Rates)	100GBASE-LR4	LWDM4 DML	PIN	10km/20km	Dual LC	0 to 70	3.5	GQS-SPO111-LR4C GQS-SPO111-L24C
100G QSFP28 4WDM-40	100G-4WDM-40	LWDM4 DML	APD	40km	Dual LC	0 to 70 -40 to +85	3.8	GQS-SPO101-4ER4C GQS-SPO101-4ER4T
100G QSFP28 ER4 Lite	100GBASE-ER4	LWDM4 DML	APD	40km	Dual LC	0 to 70	3.8	GQS-SPO101-ES4C
100G QSFP28 ER4 Lite(Dual Rates)	100GBASE-ER4 OTU4	LWDM4 DML	APD	40km	Dual LC	0 to 70	3.8	GQS-SPO111-ES4C
100G QSFP28 ER4	100GBASE-ER4 OTU4	LWDM4 EML	PIN+SOA	40km	Dual LC	0 to 70	6	GQS-SPO101-ER4C GQS-SPO111-ER4C
100G QSFP28 eER4	100GBASE-ER4	LWDM4 EML	PIN+SOA	60km	Dual LC	0 to 70	6	GQS-SPO101-eER4C
100G QSFP28 ZR4	100GBASE-ZR4	LWDM4 EML	PIN+SOA	80km	Dual LC	0 to 70	6	GQS-SPO101-ZR4C
100G QSFP28 ZR4(Dual Rates)	100GBASE-ZR4 OTU4	LWDM4 EML	PIN+SOA	80km	Dual LC	0 to 70	6	GQS-SPO111-ZR4C
100G QSFP28 SR1.2	100GBASE-SR1.2	850/900nm BiDi VCSEL	PIN	100m(OM4) 150m(OM5)	Dual LC	0 to 70	3	GQS-MPO101-SRBDC
100G QSFP28 FR1	100GBASE-FR1	1310nm EML	PIN	2km	Dual LC	0 to 70	3.5	GQS-SPO101-FR1C
100G QSFP28 LR1	100GBASE-LR1	1310nm EML	PIN	20km	Dual LC	0 to 70	4	GQS-SPO101-LR1C
100G QSFP28 ER1	100GBASE-ER1	1310nm EML	APD	40km	Dual LC	0 to 70	4	GQS-SPO101-ER1C
100G QSFP28 BiDi LR1	100G BiDi	1271/1331nm EML	PIN	10km/20km	Dual LC	0 to 70	4.5	GBQ-2733101-LR1C GBQ-3327101-LR1C
100G QSFP28 PSM DWDM4	100G PSM4 MSA	O-band 150GHz DML	PIN+SOA	40km	MPO	0 to 70	4.5	GQS-Oxx101-DZR4
100G QSFP28 PSM DWDM4	100G PSM4 MSA	C-band 100GHz EML	PIN+EDFA +DCM	80km	MPO	0 to 70	6	GQS-Cxx101-DZR4
100G SFP56-DD SR1*	100GBASE-SR1	850nm VCSEL	PIN	100m	Dual LC	0 to 70	2	GSD-SPO101-SR1C
100G SFP56-DD FR1	100GBASE-FR1	1310nm EML	PIN	2km	Dual LC	0 to 70	3.5	GSD-SPO111-FR1C
100G SFP56-DD LR1	100GBASE-LR1	1310nm EML	PIN	10km	Dual LC	0 to 70	3.5	GSD-SPO111-LR1C
100G SFP56-DD ER1 Lite	100GBASE-ER1	1310nm EML	PIN	30km	Dual LC	0 to 70	3.5	GSD-SPO111-ER1C
100G SFP112 SR1*	100GBASE-SR1	850nm VCSEL	PIN	100m	Dual LC	0 to 70	2	GSS-MPO101-SR1C
100G SFP112 LR1*	100GBASE-LR1	1310nm EML	PIN	10km	Dual LC	0 to 70	3.5	GSS-SPO101-LR1C
100G SFP112 ER1*	100GBASE-ER1	1310nm EML	PIN	40km	Dual LC	0 to 70	5.5	GSS-SPO101-ER1C
128GFC (4x32GFC) QSFP28 SR4	128GFC-SW4	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12	0 to 70 -40 to +85	2	GQS-MPO111-SR4C GQS-MPO111-SR4T
128GFC (4x32GFC) QSFP28 eSR4	128GFC-SW4	850nm VCSEL	PIN	200m(OM3) 300m(OM4)	MPO12	0 to 70 -40 to +85	2	GQS-MPO111-eSR4C GQS-MPO111-eSR4T

Note: * It's preliminary

III-V Optical Transceivers 200G

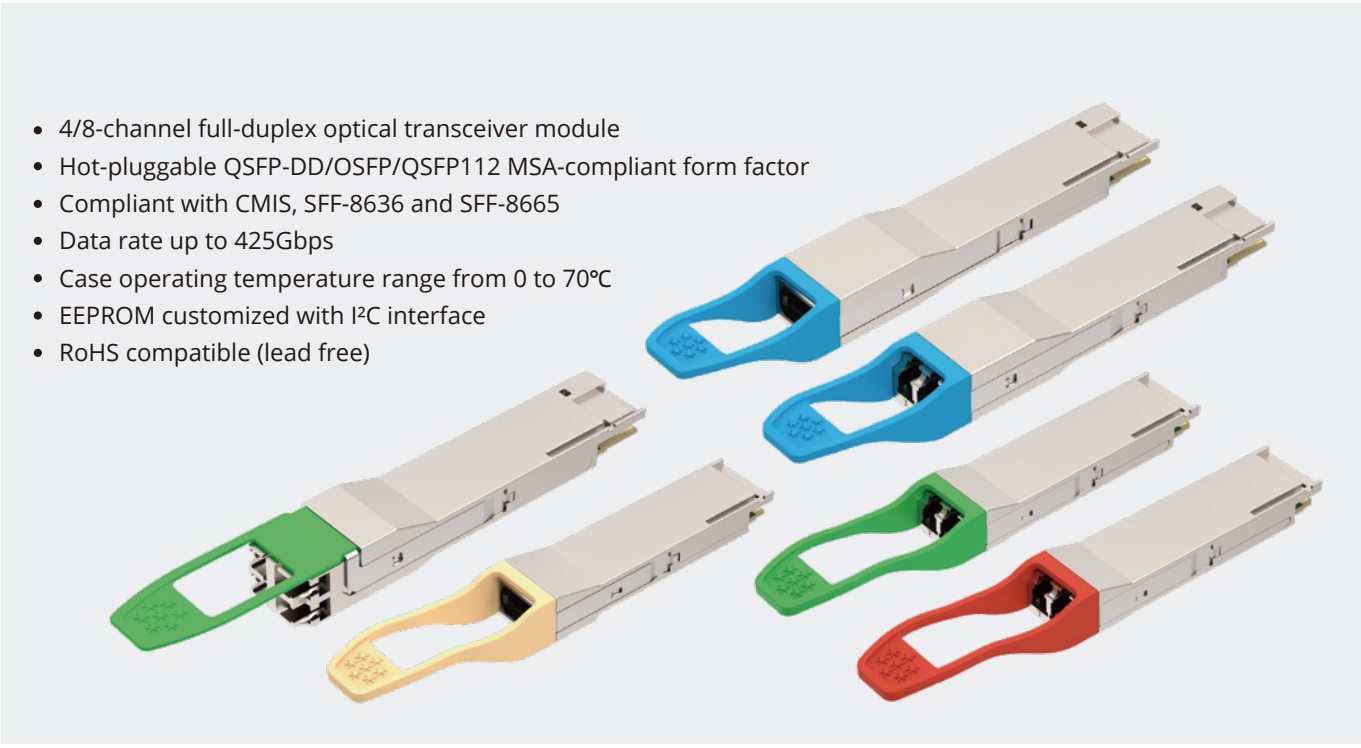
Features



Product	Standard	Transmitter	Receiver	Reach	Optical Interface	Case Operating Temperature (°C)	Max. Power Consumption (W)	P/N
200G QSFP56 SR4	100GBASE-SR4 200GBASE-SR4	850nm VCSEL	PIN	70m (OM3) 100m (OM4)	MPO12	0 to 70	5	GQS-MPO201-SR4C
200G QSFP56 DR4	200GBASE-DR4	1310nm DML	PIN	500m	MPO12	0 to 70	5.5	GQS-SPO201-DR4C
200G QSFP56 FR4	200GBASE-FR4	CWDM4 DML	PIN	2km	Dual LC	0 to 70	6	GQS-SPO201-FR4CW
200G QSFP56 LR4	200GBASE-CWDM4 200GBASE-LR4	CWDM4 DML LWDM4 DML	PIN	10km	Dual LC	0 to 70	7.5	GQS-SPO201-LR4C
200G QSFP-DD SR8	100GBASE-SR4	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO24	0 to 70 -40 to +85	4	GQD-MPO201-DSR4C
200G QSFP-DD PSM8	100G-PSM4	1310nm DML	PIN	2km/10km	MPO24	0 to 70 -40 to +85	6 6.5	GDM-SPO201-FR8C GDM-SPO201-LR8C
200G QSFP-DD LR8	200GBASE-LR8	LWDM8 DML	PIN	10km	Dual LC	0 to 70	7.5	GQD-SPO201-LR8C
200G QSFP-DD PSM4	200G-PSM4	1310nm EML	PIN	2km	MPO12	0 to 70	5.5	GDM-SPO201-DR4C
200G QSFP-DD FR4	200GBASE-FR4	CWDM EML	PIN	2km	Dual LC	0 to 70	9	GQD-SPO201-FR4C
200G QSFP-DD eFR4	200GBASE-FR4	CWDM EML	PIN	10km	Dual LC	0 to 70	9	GQD-SPO201-xR4C
200G QSFP-DD LR4	200GBASE-LR4	LWDM4 EML	PIN	10km	Dual LC	0 to 70	9	GQD-SPO201-LR4C
200G QSFP-DD ER4	200GBASE-ER4	LWDM4 EML	APD	40km	Dual LC	0 to 70	9	GQD-SPO201-ER4C
200G QSFP-DD 2×CWDM4	200GBASE-FR4 200GBASE-LR4	2×CWDM4 DML	PIN	2km/10km	Dual Duplex LC	0 to 70	7	GQD-SPO201-CIR4C GQD-SPO201-CLR4C

III-V Optical Transceivers 400G

Features



Product	Standard	Transmitter	Receiver	Reach	Optical Interface	Max. Power Consumption(W)	P/N
400G QSFP-DD SR8	200GBASE-SR4 400GBASE-SR8	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO16/24	8.5	GQD-MPO401-SR8C
400G QSFP-DD PSM8	400GBASE-PSM8	1310nm EML	PIN	2km 10km	MPO16	11	GDM-SPO401-FR8C GDM-SPO401-LR8C
400G QSFP-DD FR8	400GBASE-FR8	LWDM8 EML	PIN	2km	Dual LC	12.5	GQD-SPO401-FR8C
400G QSFP-DD LR8	400GBASE-LR8	LWDM8 EML	PIN	10km	Dual LC	12.5	GQD-SPO401-LR8C
400G QSFP-DD SR4.2*	400GBASE-SR4.2	850/910nm VCSEL	PIN	150m	MPO12	9	GQD-MPO401-SRBDC
400G QSFP-DD 2×FR4	400GBASE-2×FR4	2×CWDM4 DML	PIN	2km	Dual Duplex LC	9	GQD-SPO401-FR4CZ
400G QSFP-DD PLR4	400GBASE-LR4	1310nm EML	PIN	10km	MPO12	12	GQD-SPO401-xR4C
400G QSFP-DD CWDM4	400G-CWDM4	CWDM4 EML	PIN	6km	Dual LC	10	GQD-SPO401-CFR4C
400G QSFP-DD LR4	400GBASE-LR4	CWDM4 EML	PIN	10km	Dual LC	12	GQD-SPO401-LR4C
400G QSFP112 VR4	400GBASE-VR4	850nm VCSEL	PIN	30m (OM3) 50m (OM4)	MPO12	8	GQS-MPO401-VR4C
400G QSFP112 SR4	400GBASE-SR4	850nm VCSEL	PIN	60m (OM3) 100m (OM4)	MPO12	8	GQS-MPO401-SR4C
400G OSFP112 VR4	400GBASE-VR4	850nm VCSEL	PIN	30m (OM3) 50m (OM4)	MPO12	8	GOP-MPO401-VR4C
400G OSFP112 SR4	400GBASE-SR4	850nm VCSEL	PIN	60m (OM3) 100m (OM4)	MPO12	8	GOP-MPO401-SR4C

Note: * It's preliminary

III-V Optical Transceivers 800G

Features

- 8-channel full-duplex optical transceiver module
- Hot-pluggable QSFP-DD/OSFP MSA-compliant form factor
- Compliant with CMIS, SFF-8636 and SFF-8665
- Data rate up to 850Gbps
- Case operating temperature range from 0 to 70°C
- EEPROM customized with I²C interface
- RoHS compatible (lead free)

Product	Standard	Transmitter	Receiver	Reach	Optical Interface	Max. Power Consumption (W)	P/N
800G QSFP-DD SR4.2*	800GBASE-SR4.2	850/910nm VCSEL	PIN	100m	MPO16 Dual MPO12	14	GQD-MPO801-SRBDC
800G QSFP-DD VR8	800GBASE-VR8	850nm VCSEL	PIN	30m(OM3) 50m(OM4)	MPO16	14	GQD-MPO801-VR8C
800G QSFP-DD SR8	800GBASE-SR8	850nm VCSEL	PIN	60m(OM3) 100m(OM4)	MPO16	14	GQD-MPO801-SR8C
800G OSFP VR8	800GBASE-VR8	850nm VCSEL	PIN	30m(OM3) 50m(OM4)	MPO16 Dual MPO12	14	GOS-MPO801-VR8C
800G OSFP SR8	800GBASE-SR8	850nm VCSEL	PIN	60m(OM3) 100m(OM4)	MPO16 Dual MPO12	14	GOS-MPO801-SR8C

Note: * It's preliminary

Silicon Photonics Transceivers 100G/400G/800G

Features

- 1/4/8-channel full-duplex optical transceiver module
- Hot-pluggable QSFP/QSFP-DD MSA-compliant form factor
- Compliant with CMIS, SFF-8636 and SFF-8665
- Data rate up to 106.25~850Gbps
- Case operating temperature range from 0 to 70°C
- EEPROM customized with I²C interface
- RoHS compatible (lead free)

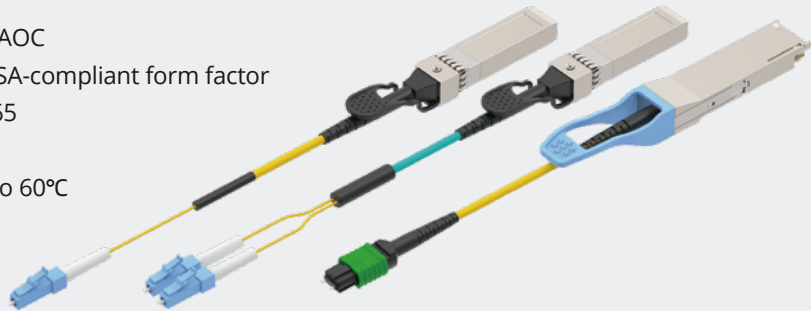
Product	Standard	Transmitter	Receiver	Reach	Optical Interface	Case Operating Temperature (°C)	Max. Power Consumption (W)	P/N
100G QSFP28 DR1	100GBASE-DR1	1310nm CW+MZ	PIN	500m	Dual LC	0 to 70	4	GQS-SI101DR1C
100G QSFP28 FR1	100GBASE-FR1	1310nm CW+MZ	PIN	2km	Dual LC	0 to 70	4	GQS-SI101FR1C
100G QSFP28 LR1	100GBASE-LR1	1310nm CW+MZ	PIN	10km	Dual LC	0 to 70	4	GQS-SI101LR1C
100G QSFP28 DWDM1	100GBASE-DWDM	O-BAND CW+MZ	PIN	25km	Dual LC	0 to 70	4	GQS-SI101-DES1C
400G QSFP-DD DR4	400GBASE-DR4	1310nm CW+MZ	PIN	500m	MPO12	0 to 70	10	GQD-SI401DR4C
400G QSFP-DD DR4+	400GBASE-DR4	1310nm CW+MZ	PIN	2km	MPO12	0 to 70	10	GQD-SI401XDR4C
400G QSFP-DD DR4++	400GBASE-DR4	1310nm CW+MZ	PIN	10km	MPO12	0 to 70	10	GQD-SI401LR4C
400G QSFP-DD FR4	400GBASE-FR4	CWDM4 CW+MZ	PIN	2km	Dual LC	0 to 70	10	GQD-SI401FR4C
400G QSFP-DD CWDM4	400GBASE-CWDM4	CWDM4 CW+MZ	PIN	6km	Dual LC	0 to 70	10	GQD-SI401xR4C
400G QSFP-DD LR4	400GBASE-LR4	CWDM4 CW+MZ	PIN	10km	Dual LC	0 to 70	12	GQD-SI401LR4C
400G QSFP112 DR4	400GBASE-DR4	1310nm CW+MZ	PIN	500m	MPO12	0 to 70	10	GQS-SI401DR4C
400G QSFP112 DR4+	400GBASE-DR4	1310nm CW+MZ	PIN	2km	MPO12	0 to 70	10	GQS-SI401xR4C
400G QSFP112 DR4++	400GBASE-DR4	1310nm CW+MZ	PIN	10km	MPO12	0 to 70	10	GQS-SI401xR4C
400G QSFP112 FR4	400GBASE-FR4	CWDM4 CW+MZ	PIN	2km	Dual LC	0 to 70	10	GQS-SI401FR4C
400G QSFP112 CWDM4	400GBASE-CWDM4	CWDM4 CW+MZ	PIN	6km	Dual LC	0 to 70	10	GQS-SI401-CFR4C
400G QSFP112 LR4	400GBASE-LR4	CWDM4 CW+MZ	PIN	10km	Dual LC	0 to 70	12	GQS-SI401-LR4C
400G OSFP112 DR4	400GBASE-DR4	1310nm CW+MZ	PIN	500m	MPO12	0 to 70	10	GOP-SI401DR4C
400G OSFP112 DR4+	400GBASE-DR4	1310nm CW+MZ	PIN	2km	MPO12	0 to 70	10	GOP-SI401xR4C
800G QSFP-DD DR8	800GBASE-DR8	1310nm CW+MZ	PIN	500m	MPO16	0 to 70	18	GQD-SI801DR8C
800G QSFP-DD DR8+	800GBASE-DR8	1310nm CW+MZ	PIN	2km	MPO16	0 to 70	18	GQD-SI801xR8C
800G QSFP-DD DR8++	800GBASE-DR8	1310nm CW+MZ	PIN	10km	MPO16	0 to 70	18	GQD-SI801xR8C
800G QSFP-DD FR8*	800GBASE-FR8	CWDM4 CW+MZ	PIN	2km	Dual LC	0 to 70	18	GQD-SI801FR8C
800G QSFP-DD 2xFR4*	800GBASE-FR4	CWDM4 CW+MZ	PIN	2km	Dual Duplex LC	0 to 70	18	GQD-SI801CIR4C
800G OSFP DR8	800GBASE-DR8	1310nm CW+MZ	PIN	500m	MPO16/2xMPO12	0 to 70	18	GOS-SI801DR8C
800G OSFP DR8+	800GBASE-DR8	1310nm CW+MZ	PIN	2km	MPO16/2xMPO12	0 to 70	18	GOS-SI801xR8C
800G OSFP DR8++	800GBASE-DR8	1310nm CW+MZ	PIN	10km	MPO16/2xMPO12	0 to 70	18	GOS-SI801xR8C
800G OSFP FR8*	800GBASE-FR8	CWDM4 CW+MZ	PIN	2km	Dual LC	0 to 70	18	GOS-SI801FR8C
800G OSFP 2xFR4*	800GBASE-FR4	CWDM4 CW+MZ	PIN	2km	Dual Duplex LC	0 to 70	18	GOS-SI801CIR4C

Note: * It's preliminary

Immersion Liquid Cooling Optical Transceivers & AOC

Features

- Submersible version transceiver module & AOC
- Hot-pluggable SFP/QSFP/QSFP-DD/OSFP MSA-compliant form factor
- Compliant with CMIS, SFF-8636 and SFF-8665
- Data rate up to 10.3125Gbps-850Gbps
- Case operating temperature range from 0 to 60°C
- EEPROM customized with I²C interface
- RoHS compatible (lead free)

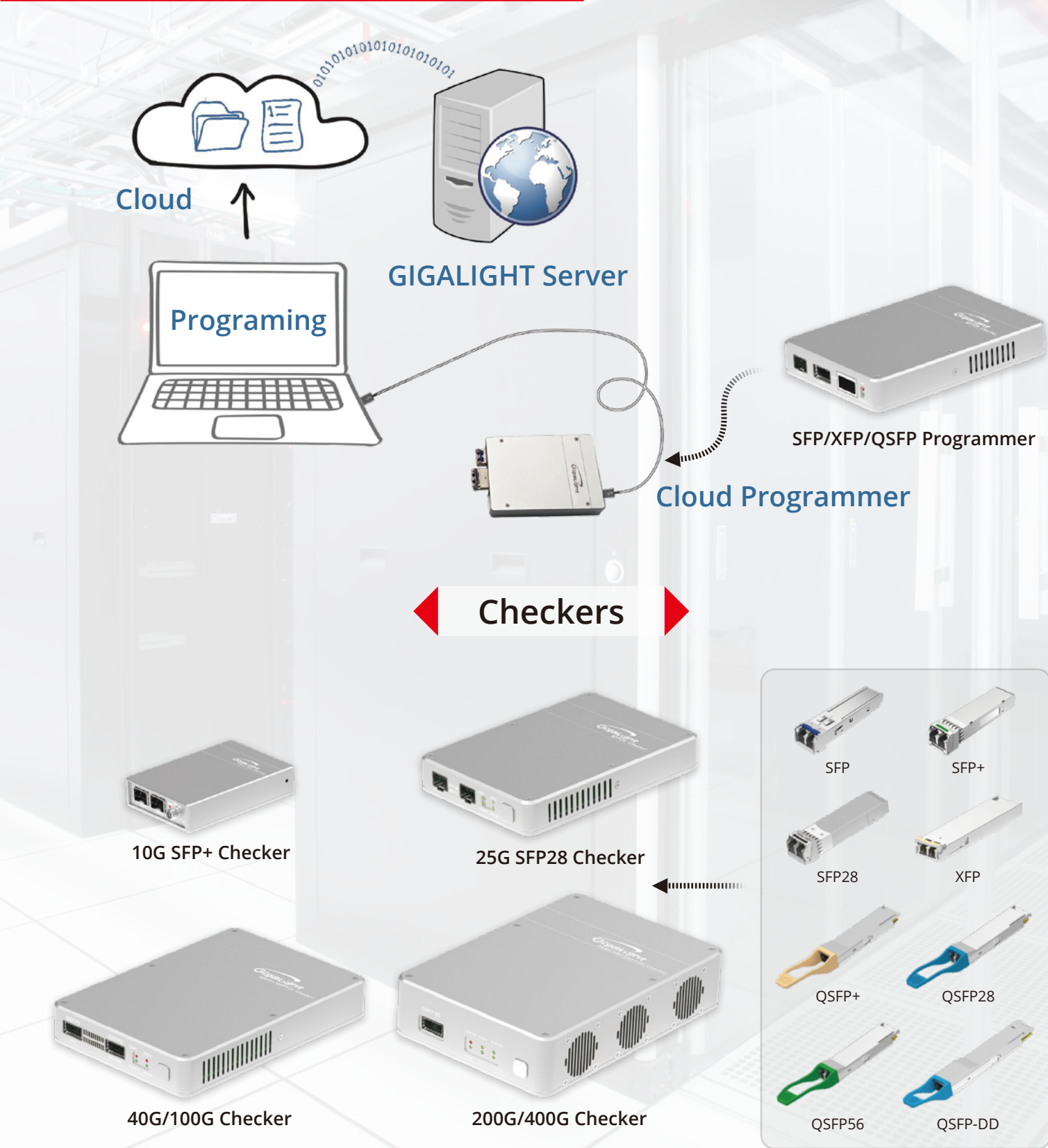


Product	Standard	Transmitter	Receiver	Reach	Optical Interface	Case Operating Temperature (°C)	Max. Power Consumption (W)	P/N
10G SFP+ SR	10GBASE-SR	850nm VCSEL	PIN	300m(OM3) 400m(OM4)	LC Pigtail FC Pigtail	0 to 60	0.8	GL-S100-SR-L/F
10G SFP+ LR	10GBASE-LR	1310nm DML	PIN	10km	LC Pigtail FC Pigtail	0 to 60	0.8	GL-S100-LR-L/F
10G SFP+ BiDi LR	10GBASE	1270nm/ 1310nm DML	PIN	10km	LC Pigtail FC Pigtail	0 to 60	1.5	GL-S100-23LR-L/F GL-S100-32LR-L/F
25G SFP28 SR	25GBASE-SR	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	LC Pigtail FC Pigtail	0 to 60	1	GL-S250-SR-L/F
25G SFP28 LR	25GBASE-LR	1310nm DML	PIN	10km(SMF)	LC Pigtail FC Pigtail	0 to 60	1	GL-S250-LR-L/F
25G SFP28 BiDi LR	25GBASE-BX10-D 25GBASE-BX10-U	1270nm/ 1310nm DML	PIN	10km	LC Pigtail FC Pigtail	0 to 60	1.6	GL-S250-23LR-L/F GL-S250-32LR-L/F
40G QSFP+ SR4	40GBASE-SR4	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12 Pigtail	0 to 60	1.5	GL-Q400-SR4-M
100G QSFP28 SR4	100GBASE-SR4 EDR	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12 Pigtail	0 to 60	2	GL-Q101-SR4-M
100G QSFP28 PSM4	100G-PSM4 EDR	1310nm DML	PIN	2km	MPO12 Pigtail	0 to 60	3.5	GL-P101-IR4-M
200G QSFP56 SR4	100GBASE-SR4 200GBASE-SR4	850nm VCSEL	PIN	70m (OM3) 100m (OM4)	MPO12 Pigtail	0 to 60	5	GL-Q201-SR4-M
400G QSFP-DD SR8*	400GBASR-SR8	850nm VCSEL	PIN	100m	MPO16 Pigtail	0 to 60	9	GL-D401-SR8-M
400G OSFP SR8*	400GBASR-SR8	850nm VCSEL	PIN	100m	MPO16 Pigtail	0 to 60	9	GL-O401-SR8-M
400G QSFP112 SR4*	400GBASR-SR4	850nm VCSEL	PIN	100m	MPO12 Pigtail	0 to 60	10	GL-Q401-SR4-M
800G QSFP-DD SR8*	800GBASR-SR8	850nm VCSEL	PIN	100m	MPO16 Pigtail Dual MPO12 Pigtail	0 to 60	14	GL-D801-SR8-M
800G OSFP SR8*	800GBASR-SR8	850nm VCSEL	PIN	100m	MPO16 Pigtail Dual MPO12 Pigtail	0 to 60	14	GL-O801-SR8-M

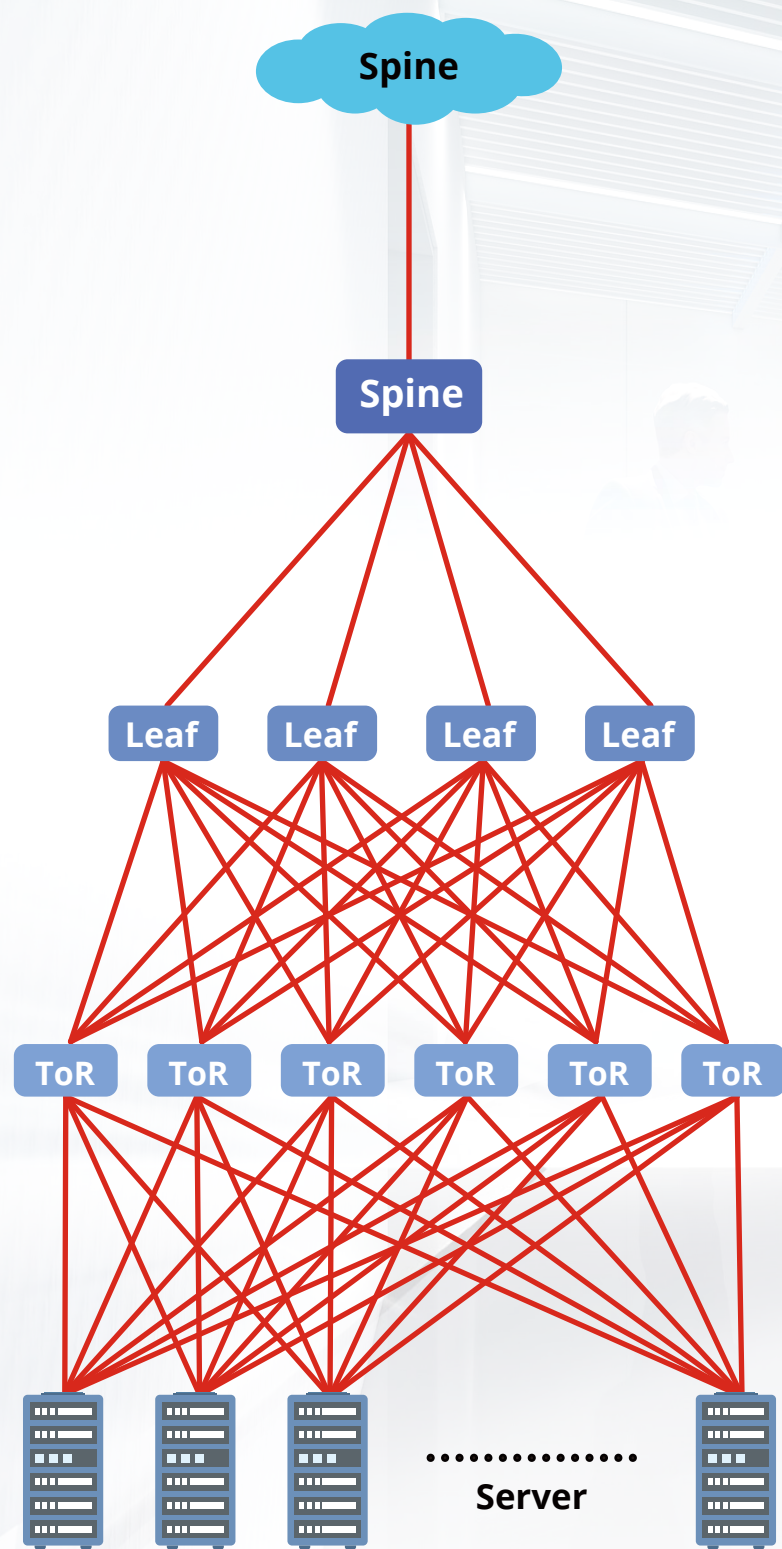
Product	Standard	Transmitter	Receiver	Reach	Case Operating Temperature(°C)	Max. Power Consumption(W)
25G SFP28 AOC	25GBase-SR	850nm VCSEL	PIN	1-100m/300m	0 to 60	1
100G QSFP28 AOC	100GBase-SR4	850nm VCSEL	PIN	1-100m/300m	0 to 60	2
100G QSFP28 to 2/4×Breakout AOC	100GBase-SR4	850nm VCSEL	PIN	1-100m/300m	0 to 60	2/1.5/1
200G QSFP-DD AOC	100GBase-SR4	850nm VCSEL	PIN	1-100m	0 to 60	4
200G QSFP-DD to 2/4/8×Breakout AOC	100GBase-SR4	850nm VCSEL	PIN	1-100m	0 to 60	4/2/1.5/1
200G QSFP56 AOC	100G/200GBase-SR4	850nm VCSEL	PIN	1-100m	0 to 60	5
200G QSFP56 2/4×Breakout AOC	100G/200GBase-SR4	850nm VCSEL	PIN	1-100m	0 to 60	5/4.5/2
400G QSFP-DD AOC	400GBase-SR8/ 200GBase-SR4	850nm VCSEL	PIN	1-100m	0 to 60	9
400G QSFP-DD to 2/4/8×Breakout AOC	400GBase-SR8/ 200GBase-SR4	850nm VCSEL	PIN	1-100m	0 to 60	9/5/4.5/2
400G OSFP AOC	400GBase-SR8	850nm VCSEL	PIN	1-100m	0 to 60	10
400G OSFP to 2/4/8×Breakout AOC	400GBase-SR8	850nm VCSEL	PIN	1-100m	0 to 60	10/5/4.5/2
800G QSFP-DD AOC	800GBase-SR8	850nm VCSEL	PIN	1-100m	0 to 60	15
800G QSFP-DD to 2/4/8×Breakout AOC	800GBase-SR8	850nm VCSEL	PIN	1-100m	0 to 60	15/10/5/4.5
800G OSFP AOC	800GBase-SR8	850nm VCSEL	PIN	1-100m	0 to 60	15
800G OSFP to 2/4/8×Breakout AOC	800GBase-SR8	850nm VCSEL	PIN	1-100m	0 to 60	15/10/5/4.5

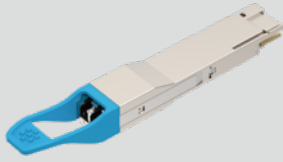
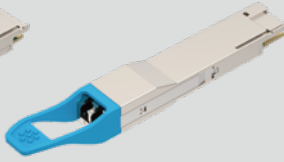
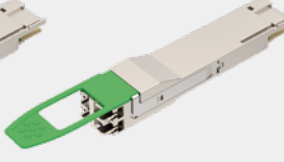
Note: * It's preliminary

Cloud Programmer & Checkers

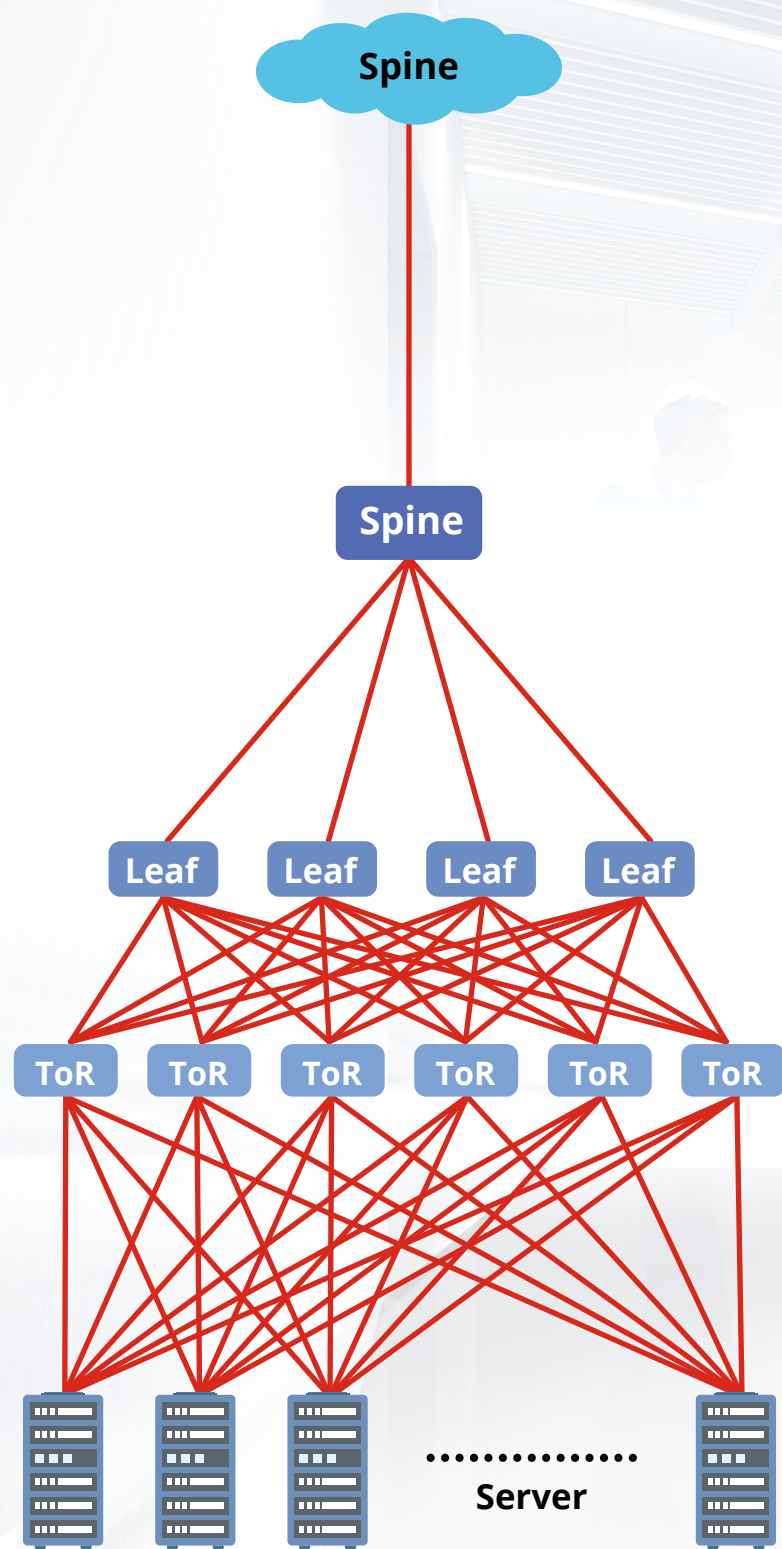


Data Center Solution 100G/200G



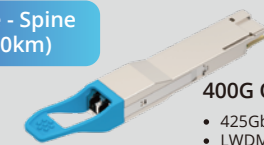
100G(4×25G NRZ)	200G (8×25G NRZ)	200G (4×50G PAM4)
Spine - Spine (≤10km)  100G QSFP28 LR4 • LAN-WDM DFB+PIN • 103.125Gbps or 111.8Gbps • 10km/20km • 3.5W • Dual LC	 200G QSFP-DD LR8 • 206.25Gbps • LWDM EML+PIN • 10km/20km • 7.5W • Dual LC	 200G QSFP56 LR4 • 212.5Gbps • CWDM/LWDM DML+PIN • 10km • 7.5W • Dual LC 400G QSFP-DD LR4 • 425Gbps • LWDM EML+PIN • 10km • 12W • Dual LC
Leaf - Spine (≤2km)  100G QSFP28 CWDM4 • CWDM DFB+PIN • 103.125Gbps • 2km/10km • 3.5W • Dual LC	 200G QSFP-DD PSM8 • 206.25Gbps • 1310nm DML+PIN • 2km/10km • 6W(2km) or 6.5W(10km) • MPO24 200G QSFP-DD 2×CWDM4 • 206.25Gbps • 2×CWDM4 DML+PIN • 2km/10km • 7W • Dual Duplex LC	 200G QSFP56 DR4 • 212.5Gbps • 1310nm DML+PIN • 500m • 5.5W • MPO12 200G QSFP56 FR4 • 212.5Gbps • CWDM DML/EML+PIN • 10km/20km • 5.5W • Dual LC
TOR - Leaf (≤100m)  100G QSFP28 SR4 • 850nm VCSEL+PIN • 25.78Gbps • Standard edition: 70m(OM3) or 100m(OM4) • Enhanced Edition: 300m(OM4) • 1W	 200G QSFP-DD SR8 • 850nm VCSEL+PIN • 206.25Gbps • 70m(OM3) or 100m(OM4) • 4W • MPO24	 200G QSFP56 SR4 • 212.5Gbps • 850nm VCSEL+PIN • 70m(OM3) or 100m(OM4) • 5W • MPO12
Server - TOR (DAC/AOC) (≤20m)  25G SFP28 AOC • 850nm VCSEL+PIN • 25.78Gbps • Standard edition: 70m(OM3) or 100m(OM4) • Enhanced Edition: 300m(OM4) • 1W 100G QSFP28 to 4×25G SFP28 Breakout AOC • 850nm VCSEL+PIN • 103.125Gbps • 70m(OM3) or 100m(OM4) • 2W(100G QSFP28) & 1W(25G SFP28)  25G SFP28 DAC • 25.78125Gbps • 25G NRZ • 5m 100G QSFP28 to 4×25G SFP28 Breakout PCC • 25.78125Gbps • 25G NRZ • 5m	 200G QSFP-DD to 8×25G SFP28 Breakout AOC • 850nm VCSEL+PIN • 206.25Gbps & 2×103.125Gbps • 70m(OM3) or 100m(OM4) • 4W(200G QSFP-DD) & 1W(25G SFP28) 200G QSFP-DD to 8×25G SFP28 Breakout PCC • 206.25Gbps • 8×25G NRZ • 3m	 200G QSFP56 to 2×100G QSFP56 Breakout AOC • 850nm VCSEL+PIN • 212.5Gbps & 2×106.25Gbps • 70m(OM3) or 100m(OM4) • 5W(200G QSFP56) & 4.5W(100G QSFP56) 200G QSFP56 to 2×100G QSFP56 Breakout PCC • 212.5Gbps & 2×106.25Gbps • 4×50G PAM4 • 5m

Data Center Solution 400G



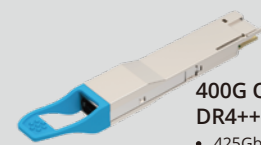
400G QSFP-DD

Spine - Spine
(≤10km)



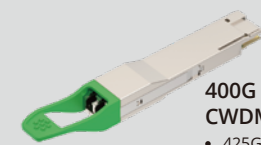
400G QSFP-DD LR8

- 425Gbps
- LWDM EML+PIN
- 10km/20km
- 12.5W
- MPO24/MPO16



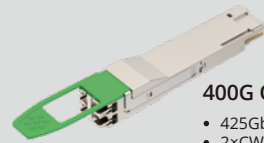
400G QSFP-DD DR4++(SiPh)

- 425Gbps
- 1310nm CW+MZ+PIN
- 10km
- 12W
- MPO12



400G QSFP-DD CWD4(SiPh)

- 425Gbps
- CWDM CW+MZ+PIN
- 6km
- 12W
- Dual LC



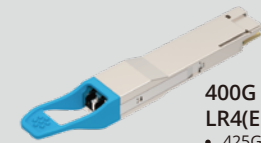
400G QSFP-DD 2xFR4

- 425Gbps
- 2×CWDM4 DML+PIN
- 2km
- 9W
- Dual Duplex LC



400G QSFP-DD LR4(SiPh)

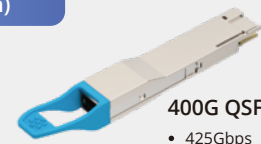
- 425Gbps
- 1310nm CW+MZ+PIN
- 10km
- 12W
- Dual LC



400G QSFP-DD LR4(EML)

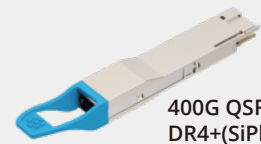
- 425Gbps
- LWDM EML+PIN
- 10km
- 12W
- Dual LC

Leaf - Spine
(≤2km)



400G QSFP-DD PSM8

- 425Gbps
- 1310nm EML+PIN
- 2km/10km
- 11W
- MPO24/MPO16



400G QSFP-DD DR4/(SiPh)

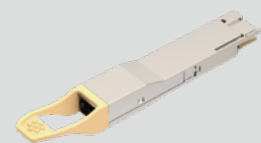
- 425Gbps
- 1310nm CW+MZ+PIN
- 500m/2km
- 12W
- MPO12



400G QSFP-DD FR4(SiPh)

- 425Gbps
- CWDM CW+MZ+PIN
- 2km
- 12W
- Dual LC

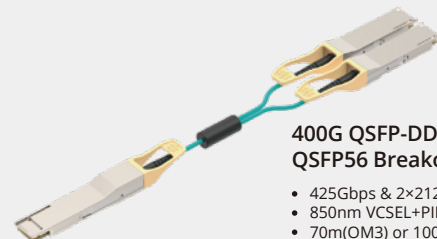
TOR - Leaf
(≤100m)



400G QSFP-DD SR8

- 425Gbps
- 850nm VCSEL+PIN
- 70m(OM3) or 100m(OM4)
- 8.5W
- MPO16

Server - TOR
(DAC/AOC)
(≤20m)



400G QSFP-DD to 2×200G QSFP56 Breakout AOC

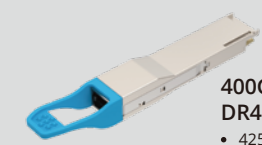
- 425Gbps & 2×212.5Gbps
- 850nm VCSEL+PIN
- 70m(OM3) or 100m(OM4)
- 10W(400G QSFP-DD) or 5W(200G QSFP56)



400G QSFP-DD to 2×200G QSFP56 Breakout PCC

- 425Gbps & 2×212.5Gbps
- 4×100G PAM4
- 3m

400G QSFP112(4X100G PAM4)



400G QSFP112 DR4++(SiPh)

- 425Gbps
- 1310nm CW+MZ+PIN
- 10km
- 10W
- MPO12



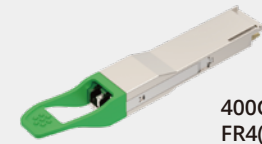
400G QSFP112 CWD4(SiPh)

- 425Gbps
- CWDM CW+MZ+PIN
- 6km
- 10W
- Dual LC



400G QSFP112 LR4(SiPh)

- 425Gbps
- LWDM CW+MZ+PIN
- 10km
- 12W
- Dual LC



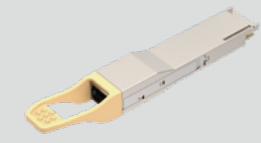
400G QSFP112 FR4(SiPh)

- 425Gbps
- CWDM CW+MZ+PIN
- 2km/10km
- 10W
- Dual LC



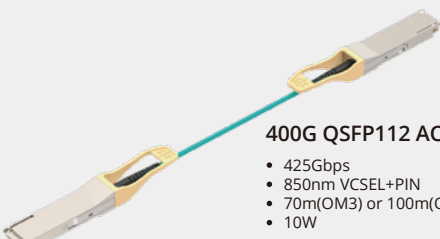
400G QSFP112 DR4/(SiPh)

- 425Gbps
- 1310nm CW+MZ+PIN
- 500m/2km
- 9W
- MPO12



400G QSFP112 SR4

- 425Gbps
- 850nm VCSEL+PIN
- 70m(OM3) or 100m(OM4)
- 10W
- MPO12



400G QSFP112 AOC

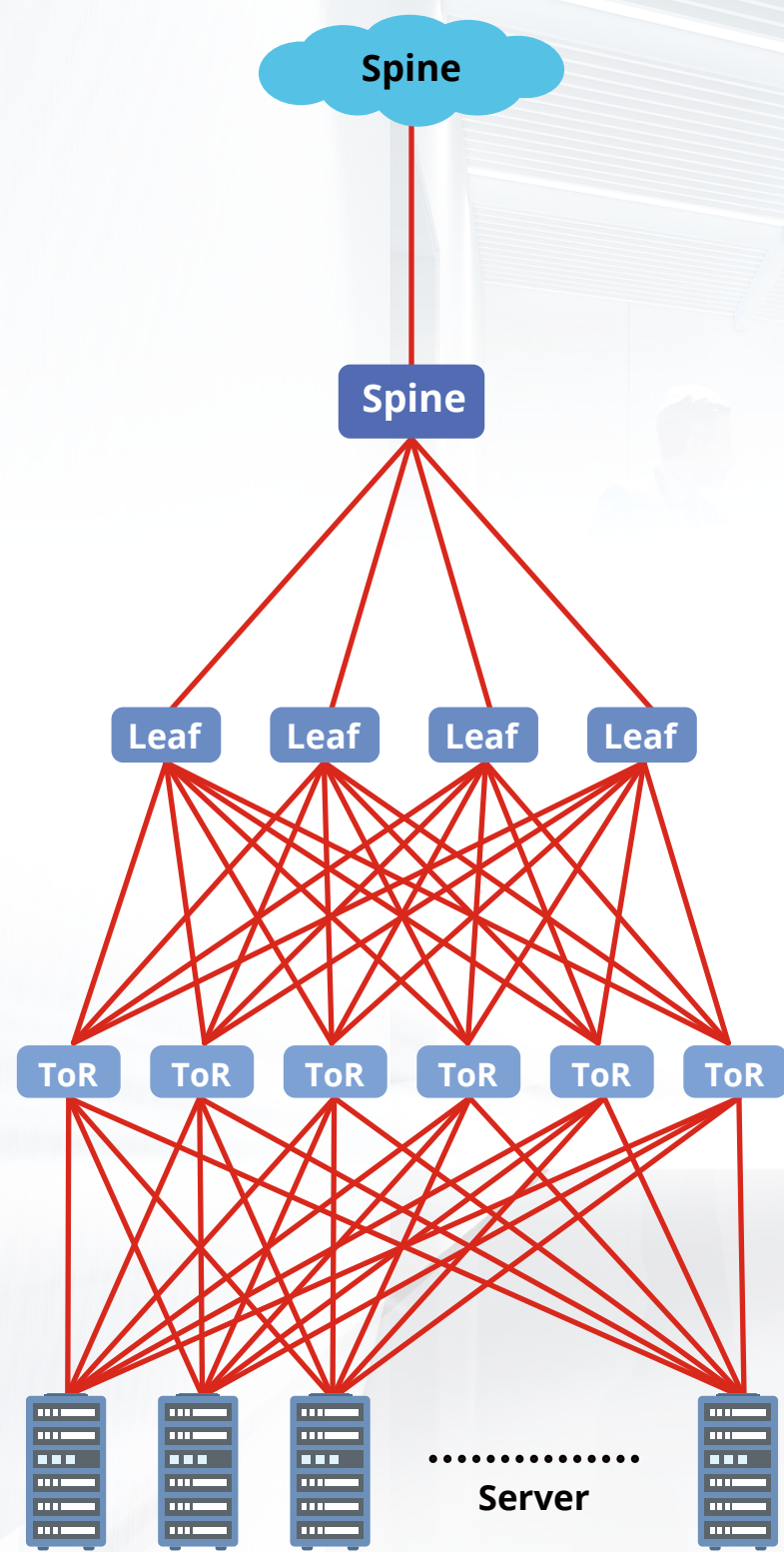
- 425Gbps
- 850nm VCSEL+PIN
- 70m(OM3) or 100m(OM4)
- 10W



400G QSFP112 DAC

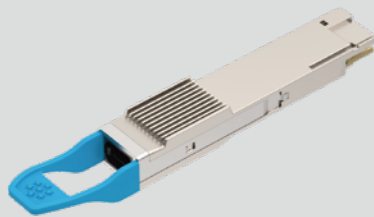
- 425Gbps
- 4×112G PAM4
- 3m(PCC) or 5m(ACC)

Data Center Solution 800G



800G QSFP-DD(8×100G PAM4)

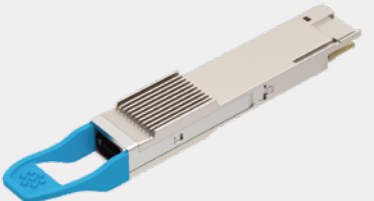
Spine - Spine
(≤10km)



800G QSFP-DD DR8++(SiPh)

- 850Gbps
- 1310nm CW+MZ+PIN
- 10km
- MPO16

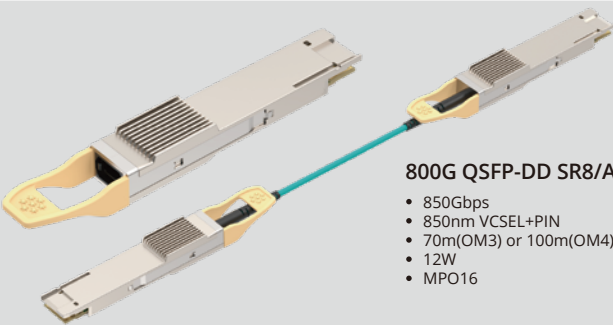
Leaf - Spine
(≤2km)



800G QSFP-DD DR8/DR8+(SiPh)

- 850Gbps
- 1310nm CW+MZ+PIN
- 500m/2km
- MPO16

TOR - Leaf
(≤100m)



800G QSFP-DD SR8/AOC

- 850Gbps
- 850nm VCSEL+PIN
- 70m(OM3) or 100m(OM4)
- 12W
- MPO16

Server - TOR
(DAC/AOC)
(≤20m)



800G QSFP-DD PCC

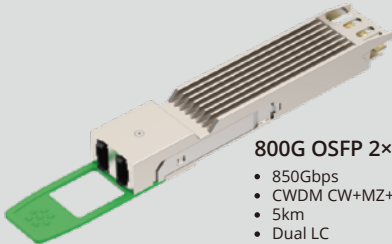
- 850Gbps
- 8×100G PAM4
- 2m



800G QSFP-DD ACC

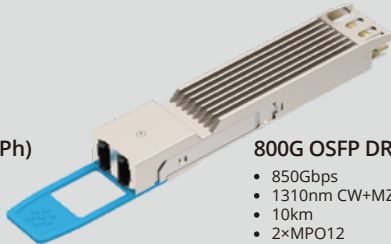
- 850Gbps
- 8×100G PAM4
- 5m

800G OSFP(8×100G PAM4)



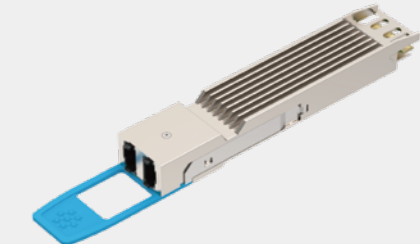
800G OSFP 2×FR4(SiPh)

- 850Gbps
- CWDM CW+MZ+PIN
- 5km
- Dual LC



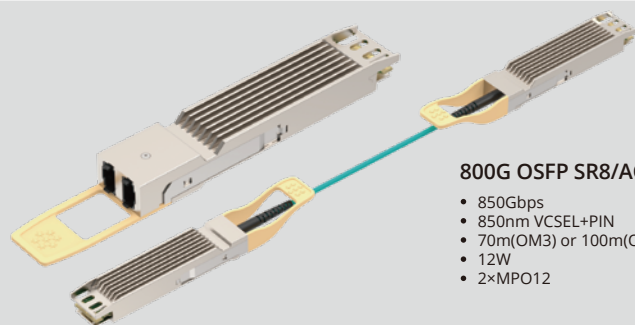
800G OSFP DR8++(SiPh)

- 850Gbps
- 1310nm CW+MZ+PIN
- 10km
- 2×MPO12



800G OSFP DR8/DR8+(SiPh)

- 850Gbps
- 1310nm CW+MZ+PIN
- 500m/2km
- 2×MPO12



800G OSFP SR8/AOC

- 850Gbps
- 850nm VCSEL+PIN
- 70m(OM3) or 100m(OM4)
- 12W
- 2×MPO12



800G OSFP PCC

- 850Gbps
- 8×100G PAM4
- 2m



800G OSFP ACC

- 850Gbps
- 8×100G PAM4
- 5m