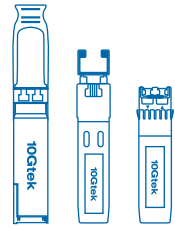


10Gtek®

*Driving Your Next
Generation Networks*



TRANSCEIVERS



Products Road Map

		Passive		Active		Transceivers				
		DAC	DAC	AOC	0~100m	0~220m	0~2km	0~10km	0~40km	0~80km
		1~5m	3~15m	0~100m	0~100m	0~220m	0~2km	0~10km	0~40km	0~80km
10G	SFP+	✓	✓	✓	SR	LRM	LR-L	LR	ER	ZR
25G	SFP28	✓	✓	✓	SR	/	IR	LR	ER	/
16/32FC	32G	✓	/	/	SW	/	/	LW	/	/
40G	QSFP+	✓	✓	✓	SR4 eSR4	LX4	IR4 PSM	LR4	ER4	/
100G	QSFP28	✓	/	✓	SR4	/	IR4 PSM CWDMD4	LR4	ER4-L	ZR4
100G	QSFP100 (PAM4)	✓	/	/	/	DR1	FR1	/	/	/
200G	QSFP56 (PAM4)	✓	/	/	SR4	/	FR4	LR4	/	/
200G	QSFPDD (NRZ)	✓	/	/	SR8	/	4W10	4W10 LR4	/	/
400G	QSFPDD (PAM4)	✓	/	/	SR8	DR4	FR8	LR8 LR4	/	/

Compatible List

We Offer Compatible Service

For

- CISCO
- JUNIPER NETWORKS
- HP
- more

10Gtek owns unique method and Compatibility LAB to meet the coding requirements for various brands of switches and routers.

***EXEMPTION CLAUSE:**

1. 10Gtek's cables and transceivers can meet Compatibility requirements with Cisco System (or Other Brands). These cables and transceivers are third-party Products.
2. "Compatibility" means, working with Cisco System (or Other Brands) without link or identification problems. Please note : Due to the exclusiveness of Cisco System (or Other Brands) towards non-Cisco (or Other Brands) products, we must modify the EEPROM information to realize product compatibility with Cisco System (or Other Brands). In achieving this, we do not promise that the information displayed 100% consists with Original Cisco (or Other Brands) information.
3. Supported by a different version of the IOS, the module list maybe different, if you need to know more, please check from the Cisco (or Other Brands)'s Matrix.

Cisco (or Other Brands) compatibility is extremely complex. It may influenced by many factors such as IOS Version, platform difference, etc.

Although 10Gtek tried its best to update the Cisco (or Other Brands) compatible matrix in time, it can not guarantee the currency and accuracy of the information.

10Gtek suggest you consult customer service or do product testing before bulk purchasing to confirm the compatibility and applicability of products.

- | | | | | |
|-----------|------------|------------|--------------|-----------|
| ✓ Cisco | ✓ HPE | ✓ Broadcom | ✓ Lenovo | ✓ Edgcore |
| ✓ Huawei | ✓ H3C | ✓ Mellanox | ✓ IBM | ✓ |
| ✓ Arista | ✓ Nokia | ✓ Cumulus | ✓ Dell | ✓ |
| ✓ Juniper | ✓ Ubiquiti | ✓ Intel | ✓ Force10 | ✓ |
| ✓ Extreme | ✓ Brocade | ✓ Chelsio | ✓ Supermicro | ✓ |

Transceivers Fiber Optical Interface



RJ-45



DUAL LC



BIDI



MPO/MTP

1.25G Transceivers

SFP

RJ-45 Copper, 100-m, 1000Base-T

RJ-45 Copper, 100-m, 10/100/1000Base-T

850-nm, 550-m, 1000Base-SX

1310-nm, 20-km, 1000Base-LX

1310-nm, 40-km, 1000Base-EX

1550-nm, 80-km, 1000Base-ZX

1550-nm, 120-km, 1000Base-EZX

ASF-GE-T

ASF-GE-T

ASF85-24-X2-D

ASF13-24-20-D

ASF13-24-40-D

ASF15-24-80-D

ASF15-24-120-D



SFP BIDI

BX-U 1310/1490-nm, 20-km, 1.25G bidi up

BX-D 1490/1310-nm, 20-km, 1.25G bidi down

BX-U 1310/1550-nm, 40-km, 1.25G bidi up

BX-D 1550/1310-nm, 40-km, 1.25G bidi down

BX-U 1490/1550-nm, 80-km, 1.25G bidi up

BX-D 1550/1490-nm, 80-km, 1.25G bidi down

BX-U 1490/1550-nm, 120-km, 1.25G bidi up

BX-D 1550/1490-nm, 120-km, 1.25G bidi down

ABL34-24-20-D

ABL43-24-20-D

ABL35-24-40-D

ABL53-24-40-D

ABL45-24-80-D

ABL54-24-80-D

ABL45-24-120-D

ABL54-24-120-D



SFP CWDM/DWDM

CWDM (1270~1610-nm), 40-km, 1000Base-EX

CWDM (1270~1610-nm), 80-km, 1000Base-ZX

CWDM (1270~1610-nm), 120-km, 1000Base-EZX

ASFxx-24-40-D

ASFxx-24-80-D

ASFxx-24-120-D



10G Transceivers

SFP+

RJ-45, 30-m, 10GBase-T
RJ-45, 80-m, 10GBase-T
1310-nm, 220-m, 10GBase-LRM
850-nm, 300-m, 10GBase-SR
1310-nm, 2-km, 10GBase-LR lite, 10GBase-IR

1310-nm, 10-km, 10GBase-LR
1310-nm, 20-km, 10GBase-LR
1310-nm, 40-km, 10GBase-ER
1550-nm, 40-km, 10GBase-ER
1550-nm, 80-km, 10GBase-ZR

SFP+ BIDI

BX-U 1270/1330-nm, 20-km, 10GBase bidi up
BX-D 1330/1270-nm, 20-km, 10GBase bidi down
BX-U 1270/1330-nm, 40-km, 10GBase bidi up
BX-D 1330/1270-nm, 40-km, 10GBase bidi down
BX-U 1270/1330-nm, 60-km, 10GBase bidi up
BX-D 1330/1270-nm, 60-km, 10GBase bidi down
BX-U 1490/1550-nm, 80-km, 10GBase bidi up
BX-D 1550/1490-nm, 80-km, 10GBase bidi down

SFP+ CWDM/DWDM

CWDM (1270~1610-nm), 10-km, 10GBase-LR
CWDM (1270~1610-nm), 40-km, 10GBase-ER
CWDM (1270~1610-nm), 80-km, 10GBase-ZR
DWDM (1528.77~1563.05-nm), 40-km
DWDM (1528.77~1563.05-nm), 80-km

ASF-10G-T

ASF-10G-T80
AXS13-192-M2
AXS85-192-M3
AXS13-192-02

AXS13-192-10
AXS13-192-20
AXS13-192-40
AXS15-192-40
AXS15-192-80

AXB23-192-20
AXB32-192-20
AXB23-192-40
AXB32-192-40
AXB23-192-60
AXB32-192-60
AXB45-192-80
AXB54-192-80

AXSxx-192-10
AXSxx-192-40
AXSxx-192-80
AXSDxx-192-40
AXSDxx-192-80



25G Transceivers

SFP28

850-nm, 100-m, 25GBase-SR
1310-nm, 10-km, 25GBase-LR
1310-nm, 20-km, 25GBase-LR

AZS85-S28-M1
AZS13-S28-10
AZS13-S28-20



Fiber Channel 16FC/32FC Transceivers

16G

16FC SR 850-nm, 100-m
16FC LR 1310-nm, 10-km
16FC LR 1310-nm, 20-km
16FC CWDM (1470~1610-nm), 40-km
16FC DWDM (1528.77~1563.05-nm), 40-km

32G

32FC SR 850-nm, 100-m
32FC LR 1310-nm, 10-km

ASF85-F16G-M1-D
ASF13-F16G-10-D
ASF13-F16G-20-D
ASFxx-F16G-40-D
ASFDxx-F16G-40-D

AZS85-F32G-M1
AZS13-F32G-10



40G Transceivers

QSFP+

40GBase-SR4, 850-nm, 150-m,
40GBase-eSR4, 850-nm, 300-m,
QSFP+ PSM, 1310-nm, 1.4-km,
QSFP+ PSM, 1310-nm, 10-km,



40GBase-LR4 lite, CWDM, 2-km,
40GBase-LX4, 150-m@OM3, 2-km@SMF,
40GBase-LR4, CWDM, 10-km,
40GBase-ER4 lite, CWDM, 30~40-km,



BIDI

BIDI 2x20G 100-m@OM3, 150-m@OM4, LC
BIDI 2x20G(RX only) 100-m@OM3, 150-m@OM4, LC

AMQ10-SR4-M1
AMQ10-eSR4-M3
AMQ10-IR4-02
AMQ10-LR4-10



ALC10-IR4-02
ALQ10-LX4-02
ALQ10-LR4-10
ALQ10-ER4-40



QSFP-40G-SR-BD
QSFP-40G-SR-BDRX

56G Transceivers

QSFP+

850-nm, 150-m, QSFP FDR

AMQ14-SR4-M1



100G Transceivers

QSFP28

100GBase-SR4, 850-nm, 100-m,
FC32 SR4, 850-nm, 100-m,
QSFP28 PSM, 1310-nm, 2-km,



100GBase-LR4 (DML), 10-km,
100GBase-LR4 (DML), 20-km,
100GBase-ER4 Lite, 30~40-km,
100GBase-ZR4, 80-km,



AMQ28-SR4-M1
AMQ28-SR4-M1-FC
AMQ28-IR4-02



ALQ28-LR4-10
ALQ28-eLR4-20
ALQ28-ER4-30
ALQ28-ZR4-80



BIDI

BiDi 2x50G 100-m@OM3, 150-m@OM4, LC

AMBQ28-SR4-M1

CWDM4

QSFP28 CWDM4, 2-km, LC
QSFP28 CWDM4, 10-km, LC


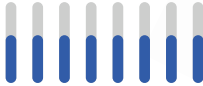
ALQ28-CW4-02
ALQ28-CW4-10









• QSFP-DD >

400G

• Electronic: 8x56G > PAM4










<p>SR8 Power: <10w 100m</p>  <p>Optical: 8x50G; PAM 4 Connector: MPO-16(16) Wavelength: 850nm</p>	<p>DR4 Power: <10w 500m 2km</p>  <p>Optical: 4x100G; PAM 4 Connector: MPO-12(8) Wavelength: 1310nm</p>
<p>FR4 Power: <10w 2km</p>  <p>Optical: 4x100G; PAM 4 Connector: Dual LC Wavelength: CWDM</p>	<p>FR8 Power: 2km</p>  <p>Optical: 8x56G; PAM 4 Connector: Dual LC Wavelength: CWDM</p>
<p>LR4 Power: <10w 10km</p>  <p>Optical: 4x100G; PAM 4 Connector: Dual LC Wavelength: CWDM</p>	<p>LR8 Power: 10km</p>  <p>Optical: 8x56G; PAM 4 Connector: Dual LC Wavelength: CWDM</p>

• QSFP-DD >

200G

• Electronic: 8x25G > NRZ

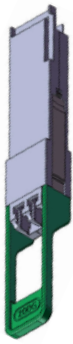







<p>SR8</p>  <p>Optical: 8x25G; NRZ Connector: MPO-16(16) Wavelength: 850nm</p>	<p>CW4 Power: <8w 2km</p>  <p>Optical: 2x100G; NRZ Connector: CS(4) Wavelength: CWDM</p>
<p>LR4 Power: <8w 10km</p>  <p>Optical: 2x100G; NRZ Connector: CS(4) Wavelength: L-WDM</p>	<p>4W10 Power: <10w 10km</p>  <p>Optical: 2x100G; NRZ Connector: CS(4) Wavelength: CWDM</p>

• QSFP-56 >

200G

• Electronic: 4x56G > PAM4

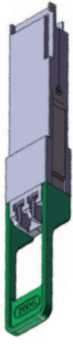






<p>SR4 Power: <5w 100m</p>  <p>Optical: 4x56G; PAM 4 Connector: MPO-12(8) Wavelength: 850nm</p>	<p>FR4 Power: <5.5w 2km</p>  <p>Optical: 1x200G; PAM 4 Connector: LC(2) Wavelength: CWDM</p>
<p>LR4 Power: <5.5w 10km</p>  <p>Optical: 1x200G; PAM 4 Connector: LC(2) Wavelength: L-WDM</p>	

• QSFP-100 >

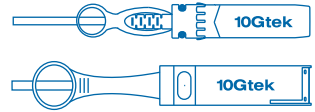
100G

• Electronic: 4x25G > NRZ

<p>DR1 Power: <5.5w 500m</p>  <p>Optical: 1x100G; PAM 4 Connector: LC(2) Wavelength: 1310nm</p>	<p>FR1 Power: <5.5w 2km</p>  <p>Optical: 1x100G; PAM 4 Connector: LC(2) Wavelength: 1310nm</p>
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DAC cables



10G/25G DAC

SFP+ Passive /Active

10G SFP+ DAC, 1-m
10G SFP+ DAC, 2-m
10G SFP+ DAC, 3-m
10G SFP+ DAC, 5-m
10G SFP+ DAC, 7-m
10G SFP+ DAC, 5-m, Active
10G SFP+ DAC, 7-m, Active
10G SFP+ DAC, 10-m, Active
10G SFP+ DAC, 12-m, Active

CAB-10GSFP-P1M
CAB-10GSFP-P2M
CAB-10GSFP-P3M
CAB-10GSFP-P5M
CAB-10GSFP-P7M
CAB-10GSFP-A5M
CAB-10GSFP-A7M
CAB-10GSFP-A10M
CAB-10GSFP-A12M



SFP28 Passive

25G SFP28 DAC, 1-m
25G SFP28 DAC, 2-m
25G SFP28 DAC, 3-m
25G SFP28 DAC, 5-m

CAB-ZSP/ZSP-P1M
CAB-ZSP/ZSP-P2M
CAB-ZSP/ZSP-P3M
CAB-ZSP/ZSP-P5M



40G/100G DAC

QSFP+ Passive /Active

40G QSFP+ DAC, 1-m
40G QSFP+ DAC, 2-m
40G QSFP+ DAC, 3-m
40G QSFP+ DAC, 5-m
40G QSFP+ DAC, 3-m, Active
40G QSFP+ DAC, 5-m, Active
40G QSFP+ DAC, 7-m, Active
40G QSFP+ DAC, 10-m, Active

CAB-Q10/Q10-P1M
CAB-Q10/Q10-P2M
CAB-Q10/Q10-P3M
CAB-Q10/Q10-P5M
CAB-Q10/Q10-A3M
CAB-Q10/Q10-A5M
CAB-Q10/Q10-A7M
CAB-Q10/Q10-A10M



QSFP+ FDR

56G QSFP+ DAC, 1-m
56G QSFP+ DAC, 2-m
56G QSFP+ DAC, 3-m
56G QSFP+ DAC, 5-m

CAB-Q14/Q14-P1M
CAB-Q14/Q14-P2M
CAB-Q14/Q14-P3M
CAB-Q14/Q14-P5M

QSFP28 Passive

100G QSFP28 DAC, 1-m
100G QSFP28 DAC, 2-m
100G QSFP28 DAC, 3-m
100G QSFP28 DAC, 5-m

CAB-ZQP/ZQP-P1M
CAB-ZQP/ZQP-P2M
CAB-ZQP/ZQP-P3M
CAB-ZQP/ZQP-P5M



QSFP+ /4SFP

40G QSFP+ to (4) SFP+ DAC, 1-m
40G QSFP+ to (4) SFP+ DAC, 2-m
40G QSFP+ to (4) SFP+ DAC, 3-m
40G QSFP+ to (4) SFP+ DAC, 5-m
40G QSFP+ to (4) SFP+ DAC, 7-m, Active
40G QSFP+ to (4) SFP+ DAC, 10-m, Active

CAB-Q10/4S-P1M
CAB-Q10/4S-P2M
CAB-Q10/4S-P3M
CAB-Q10/4S-P5M
CAB-Q10/4S-A7M
CAB-Q10/4S-A10M



QSFP28 /4SFP28

100G QSFP28 to (4) 25G DAC, 1-m
100G QSFP28 to (4) 25G DAC, 2-m
100G QSFP28 to (4) 25G DAC, 3-m
100G QSFP28 to (4) 25G DAC, 5-m

CAB-ZQP/4ZSP-P1M
CAB-ZQP/4ZSP-P2M
CAB-ZQP/4ZSP-P3M
CAB-ZQP/4ZSP-P5M



QSFP28 /2xQSFP28

100G QSFP28 to (2) 50G DAC, 1-m
100G QSFP28 to (2) 50G DAC, 2-m
100G QSFP28 to (2) 50G DAC, 3-m
100G QSFP28 to (2) 50G DAC, 5-m

CAB-ZQP/2ZQP-P1M
CAB-ZQP/2ZQP-P2M
CAB-ZQP/2ZQP-P3M
CAB-ZQP/2ZQP-P5M



200G/400G DAC

QDD /QDD

200G QSFP-DD DAC, 1-m
200G QSFP-DD DAC, 2-m

CAB-QDD/QDD-P1M
CAB-QDD/QDD-P2M

Q400 /Q400

400G QSFP-DD DAC, 1-m
400G QSFP-DD DAC, 2m

CAB-Q400/Q400-P1M
CAB-Q400/Q400-P2M



QDD /2QSFP28

200G QSFP-DD to (2) QSFP28 DAC, 1-m
200G QSFP-DD to (2) QSFP28 DAC, 2-m

CAB-QDD/2ZQP-P1M
CAB-QDD/2ZQP-P2M

Q400 /2QSFP56

400G QSFP-DD to (2) QSFP56 DAC, 1-m
400G QSFP-DD to (2) QSFP56 DAC, 2-m

CAB-Q400/2Q56-P1M
CAB-Q400/2Q56-P2M



QDD /8SFP28

200G QSFP-DD to (8) SFP28 DAC, 1-m
200G QSFP-DD to (8) SFP28 DAC, 2-m

CAB-QDD/8ZSP-P1M
CAB-QDD/8ZSP-P2M

Q400 /8SFP56

400G QSFP-DD to (8) SFP56 DAC, 1-m
400G QSFP-DD to (8) SFP56 DAC, 2-m

CAB-Q400/8S56-P1M
CAB-Q400/8S56-P2M



QSFP56 /QSFP56

200G QSFP56 DAC, 1-m
200G QSFP56 DAC, 2-m
200G QSFP56 DAC, 3-m

CAB-Q56/Q56-P1M
CAB-Q56/Q56-P2M
CAB-Q56/Q56-P3M

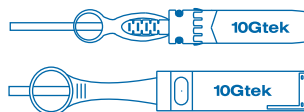
QSFP56 /2QSFP56

200G QSFP56 to (2) QSFP56 DAC, 1-m
200G QSFP56 to (2) QSFP56 DAC, 2-m
200G QSFP56 to (2) QSFP56 DAC, 3-m

CAB-Q56/2Q56-P1M
CAB-Q56/2Q56-P2M
CAB-Q56/2Q56-P3M



AOC cables



10G/25G AOC

10G SFP+ AOC

10G SFP+ AOC, 5-m
10G SFP+ AOC, 15-m
10G SFP+ AOC, xx-m

AOC-S1S1-005
AOC-S1S1-015
AOC-S1S1-xxx

25G SFP+ AOC

25G SFP28 AOC, 5-m
25G SFP28 AOC, 20-m
25G SFP28 AOC, xx-m

AOC-S4S4-005
AOC-S4S4-020
AOC-S4S4-xxx



40G/100G AOC

40G QSFP+ AOC

40G QSFP+ AOC, 5-m
40G QSFP+ AOC, 15-m
40G QSFP+ AOC, xx-m

AOC-Q1Q1-005
AOC-Q1Q1-015
AOC-Q1Q1-xxx

56G QSFP+ AOC

56G QSFP+ EDR AOC, 5-m
56G QSFP+ EDR AOC, 15-m
56G QSFP+ EDR AOC, xx-m

AOC-Q3Q3-005
AOC-Q3Q3-015
AOC-Q3Q3-xxx



100G QSFP28 AOC

100G QSFP28 AOC, 5-m
100G QSFP28 AOC, 15-m
100G QSFP28 AOC, xx-m

AOC-Q4Q4-005
AOC-Q4Q4-015
AOC-Q4Q4-XXX



40G QSFP+/4SFP AOC

40G QSFP+ to (4) SFP+ AOC, 5-m
40G QSFP+ to (4) SFP+ AOC, 15-m
40G QSFP+ to (4) SFP+ AOC, 30-m

AOC-Q14S-005
AOC-Q14S-015
AOC-Q14S-030

100G QSFP28/4ZSP AOC

100G QSFP28 to (4)SFP28 AOC, 5-m
100G QSFP28 to (4)SFP28 AOC, 15-m
100G QSFP28 to (4)SFP28 AOC, xx-m

AOC-Q44S-005
AOC-Q44S-015
AOC-Q44S-XXX



100G QSFP28/2x50G AOC

100G QSFP28 to (2)50G AOC, 5-m
100G QSFP28 to (2)50G AOC, 10-m

AOC-Q42Q-005
AOC-Q42Q-010

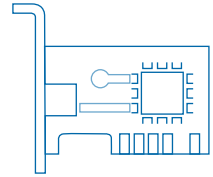
40G QSFP+/8LC AOC

40G QSFP+ to (8) LC AOC, 5-m
40G QSFP+ to (8) LC AOC, 15-m
40G QSFP+ to (8) LC AOC, xx-m

AOC-Q1C2-005
AOC-Q1C2-015
AOC-Q1C2-xxx



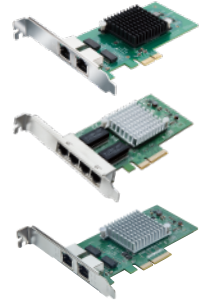
Network Card



1.25G Network Card

1.25G NIC, Intel I210 Controller, RJ-45, PCIe X1
1.25G NIC, Intel 82574L Controller, RJ-45, PCIe X1
1.25G NIC, Broadcom BCM5751 Controller, RJ-45, PCIe X1
1.25G NIC, Intel 82576 Controller, (2) RJ-45, PCIe X1
1.25G NIC, Intel 82576 Controller, (2) RJ-45, PCIe X4
1.25G NIC, Intel 82576 Controller, (2) SFP, PCIe X4
1.25G NIC, Intel I350-AM2 Controller, (2) RJ-45, PCIe X4
1.25G NIC, Intel I350-AM4 Controller, (4) RJ-45, PCIe X4
1.25G NIC, Intel I350-AM2 Controller, (2) SFP, PCIe X4
1.25G NIC, Intel I350-AM4 Controller, (4) SFP, PCIe X4
1.25G NIC, Intel 82580 Controller, (2) RJ-45, PCIe X4
1.25G NIC, Intel 82580 Controller, (4) RJ-45, PCIe X4
1.25G NIC, Intel 82580 Controller, (4) SFP, PCIe X4

I210-GE-1T-X1
82574-GE-1T-X1
5751-GE-1T-X1
82576-GE-2T-X1
82576-GE-2T-X4
82576-GE-2S-X4
I350-GE-2T-X4
I350-GE-4T-X4
I350-GE-2S-X4
I350-GE-4S-X4
82580-GE-2T-X4
82580-GE-4T-X4
82580EB-GE-4S-X4



10G Network Card

10G NIC, Intel ELX550-AT Controller, RJ-45, PCIe 3.0 X4
10G NIC, Intel ELX550-AT2 Controller, (2) RJ-45, PCIe 3.0 X4
10G NIC, Intel X540-AT2 Controller, RJ-45, PCIe X8
10G NIC, Intel X540-AT2 Controller, (2) RJ-45, PCIe X8
10G NIC, Intel 82599EN Controller, SFP+, PCIe X8
10G NIC, Intel 82599ES Controller, (2) SFP+, PCIe X8
10G NIC, Intel X710-BM2 Controller, (2) SFP+, PCIe 3.0 X8
10G NIC, Intel XL710-BM1 Controller, (4) SFP+, PCIe 3.0 X8
10G NIC, Broadcom BCM57810S Controller, (2) SFP+, PCIe X8
10G NIC, Mellanox ConnectX-3 Controller, SFP+, PCIe 3.0 X8
10G NIC, Mellanox ConnectX-3 Controller, (2) SFP+, PCIe 3.0 X8

X550-10G-1T-X4
X550-10G-2T-X4
X540-10G-1T-X8
X540-10G-2T-X8
X520-10G-1S-X8
X520-10G-2S-X8
XL710-10G-2S-X8
XL710-10G-4S-X8
57810S-10G-2S-X8
2724-10G-1S-X8
2724-10G-2S-X8



40G Network Card

40G NIC, Intel XL710-AM1 Controller, QSFP+, PCIe 3.0 X8
40G NIC, Intel XL710-BM2 Controller, (2) QSFP+, PCIe 3.0 X8

XL710-40G-1Q-X8
XL710-40G-2Q-X8



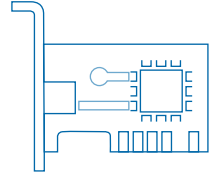
25G/100G Network Card

25G NIC, Intel XXV710-AM2 Controller, (2) SFP28, PCIe 3.0 X8
100G NIC, Mellanox ConnectX-4 VPI Controller, (2) QSFP28, PCIe 3.0 X16
100G NIC, Mellanox ConnectX-4 EN Controller, QSFP28, PCIe 3.0 X16
100G NIC, Mellanox ConnectX-4 EN Controller, (2) QSFP28, PCIe 3.0 X16

XXV710-25G-2S-X8
MCX456A-ECAT
MCX415A-CCAT
MCX416A-CCAT



HBA Card



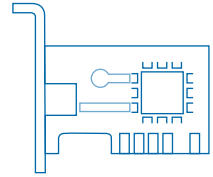
6G/12G HBA Card

- 6G HBA Card, SAS2008 Controller, (2) Internal SAS/SATA, PCIe X8
- 6G HBA Card, SAS2008 Controller, (2) External SAS/SATA, PCIe X8
- 12G HBA Card, SAS3008 Controller, (2) Internal SAS/SATA, PCIe 3.0 X8
- 12G HBA Card, SAS3008 Controller, (2) External SAS/SATA, PCIe 3.0 X8

- 2008-8I**
- 2008-8E**
- 3008-8I**
- 3008-8E**



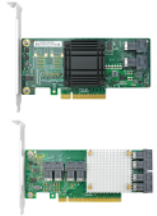
Storage Card



PCIe Switch Adapter for U.2 SSD

PCIe to NVMe Expansion Card for U.2 SSD (PEX 8724), X8, (4) SFF-8612
PCIe to NVMe Expansion Card for U.2 SSD (PEX 8724), X8, (2) SFF-8643
PCIe to NVMe Expansion Card for U.2 SSD (PEX 8724), X8, (4) SFF-8643
PCIe to NVMe Expansion Card for U.2 SSD (PEX 8747), X16, (4) SFF-8643
PCIe to NVMe Expansion Card for U.2 SSD (PEX 8749), X16, (8) SFF-8643

NV9224-4I
NV9324-2I
NV9324-4I
NV9347-4I
NV9349-8I



PCIe NVMe SSD Adapter for U.2 SSD

PCIe to NVMe Adapter Card for U.2 SSD, X4, (1) SFF-8643
PCIe to NVMe Adapter Card for U.2 SSD, X8, (2) SFF-8643
PCIe to NVMe Adapter Card for U.2 SSD, X16, (4) SFF-8643
PCIe to NVMe Adapter Card for U.2 SSD, X4, (1) SFF-8639

NV9611
NV9612
NV9614
NV94N4



PCIe Switch Adapter for M.2

NVMe SSD Adapter Card for M.2 (PEX-8724), X8, (2) M.2(M Key) connectors
NVMe SSD Adapter Card for M.2 (PEX-8724), X8, (4) M.2(M Key) connectors
NVMe SSD Adapter Card for M.2 (PEX 8747), X16, (4) M.2(M Key) connectors

NV9524-2I
NV9524-4I
NV9547-4I



PCIe NVMe SSD Adapter for M.2

NVMe SSD Adapter, X4, (1) M.2(M key) + (1) M.2(B key)
NVMe SSD Adapter, X8, (2) M.2(M key)
NVMe SSD Adapter, X16, (4) M.2(M key)

NV95N4
NV95N8
NV95NF



SAS Adapter/NVMe Adapter

SAS Adapter, (2) SFF-8087 and (2) SFF-8088
SAS Adapter, (2) SFF-8643 and (2) SFF-8644
SAS Adapter, (1) SFF-8643 and (1) M.2(M Key)

FC7722
FC4622
NV45N1



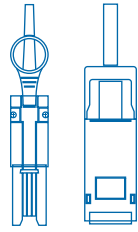
PCIe Slot Adapter

PCIe Slot Adapter, X16, (1) SFF-8643
PCIe Slot Adapter, X16, (2) SFF-8643
PCIe Slot Adapter, X16, (4) SFF-8643

FC6911
FC6921
FC6941



MiniSAS



Internal MiniSAS

8643

SAS3.0 SFF-8643 to SFF-8643, w/ Sideband

CAB-8643/8643-PxM



8643/8087

SFF-8643 to SFF-8087, w/ Sideband

CAB-8643/8087-PxM



8643/(4)8482

SFF-8643 to 4x SFF-8482, w/ Power

CAB-8643/48482-PWR-PxM



8087

SAS2.1 SFF-8087 to SFF-8087

CAB-8087/8087-PxM



8087/4SATA

SFF-8087 to 4x SATA

CAB-8087/4SATA-PxM



8654 4i

SAS4.0 SFF-8654 to SFF-8654, 4i, Straight
SAS4.0 SFF-8654 to SFF-8654, 4i, Straight to Right Exit
SAS4.0 SFF-8654 to SFF-8654, 4i, Straight to Right Angle
SAS4.0 SFF-8654 to SFF-8654, 4i, Straight to Left Exit
SAS4.0 SFF-8654 to SFF-8654, 4i, Right Exit
SAS4.0 SFF-8654 to SFF-8654, 4i, Right Angle
SAS4.0 SFF-8654 to SFF-8654, 4i, Left Exit

CAB-8654/8654-4X-PxM-11
CAB-8654/8654-4X-PxM-12
CAB-8654/8654-4X-PxM-13
CAB-8654/8654-4X-PxM-14
CAB-8654/8654-4X-PxM-22
CAB-8654/8654-4X-PxM-33
CAB-8654/8654-4X-PxM-44



8654 8i

SAS4.0 SFF-8654 to SFF-8654, 8i, Straight
SAS4.0 SFF-8654 to SFF-8654, 8i, Straight to Right Exit
SAS4.0 SFF-8654 to SFF-8654, 8i, Straight to Right Angle
SAS4.0 SFF-8654 to SFF-8654, 8i, Straight to Left Exit
SAS4.0 SFF-8654 to SFF-8654, 8i, Right Exit
SAS4.0 SFF-8654 to SFF-8654, 8i, Right Angle
SAS4.0 SFF-8654 to SFF-8654, 8i, Left Exit

CAB-8654/8654-8X-PxM-11
CAB-8654/8654-8X-PxM-12
CAB-8654/8654-8X-PxM-13
CAB-8654/8654-8X-PxM-14
CAB-8654/8654-8X-PxM-22
CAB-8654/8654-8X-PxM-33
CAB-8654/8654-8X-PxM-44



External MiniSAS

8644

SAS3.0 SFF-8644 to SFF-8644, 1-m
SAS3.0 SFF-8644 to SFF-8644, 2-m
SAS3.0 SFF-8644 to SFF-8644, 3-m
SAS3.0 SFF-8644 to SFF-8644, 5-m

8644/8088

SFF-8644 to SFF-8088, 1-m
SFF-8644 to SFF-8088, 2-m
SFF-8644 to SFF-8088, 3-m
SFF-8644 to SFF-8088, 5-m

8088

SAS2.0 SFF-8088 to SFF-8088, 1-m
SAS2.0 SFF-8088 to SFF-8088, 2-m
SAS2.0 SFF-8088 to SFF-8088, 3-m
SAS2.0 SFF-8088 to SFF-8088, 5-m

CX4

CX4 SFF-8470 to CX4 SFF-8470, 1-m
CX4 SFF-8470 to CX4 SFF-8470, 2-m
CX4 SFF-8470 to CX4 SFF-8470, 3-m
CX4 SFF-8470 to CX4 SFF-8470, 6-m
CX4 SFF-8470 to CX4 SFF-8470, 10-m

CAB-8644/8644-P1M
CAB-8644/8644-P2M
CAB-8644/8644-P3M
CAB-8644/8644-P5M



CAB-8644/8088-P1M
CAB-8644/8088-P2M
CAB-8644/8088-P3M
CAB-8644/8088-P5M



CAB-6G8088-P1M
CAB-6G8088-P2M
CAB-6G8088-P3M
CAB-6G8088-P5M



CAB-CX4/CX4-P1M
CAB-CX4/CX4-P2M
CAB-CX4/CX4-P3M
CAB-CX4/CX4-P6M
CAB-CX4/CX4-P10M



Hybrid MiniSAS

QSFP/8088

QSFP to SFF-8088, 1-m
QSFP to SFF-8088, 2-m
QSFP to SFF-8088, 3-m

CAB-QSFP/8088-P1M
CAB-QSFP/8088-P2M
CAB-QSFP/8088-P3M



QSFP/8644

QSFP to SFF-8644, 1-m
QSFP to SFF-8644, 2-m
QSFP to SFF-8644, 3-m

CAB-QSFP/8644-P1M
CAB-QSFP/8644-P2M
CAB-QSFP/8644-P3M



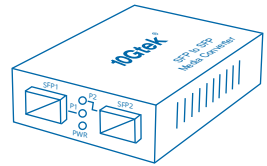
QSFP/CX4

QSFP to CX4 SFF-8470, 1-m
QSFP to CX4 SFF-8470, 2-m
QSFP to CX4 SFF-8470, 3-m
QSFP to CX4 SFF-8470, 5-m

CAB-QSFP/CX4-P1M
CAB-QSFP/CX4-P2M
CAB-QSFP/CX4-P3M
CAB-QSFP/CX4-P5M



Media Converter



FE Media Converter

SC

FE Media Converter, 20-km
A Pair Packed, BiDi FE Media Converter, 20-km

F0101-SC20
F0101-SC20A(B)

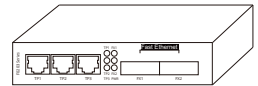


FE Switch

SC

5 Ports, FE Switch, 1 Fiber Port, 20-km
5 Ports, FE Switch, 2 Fiber Ports, 20-km
5 Ports, FE Switch, 3 Fiber Ports, 20-km
5 Ports, FE Switch, 4 Fiber Ports, 20-km
8 Ports, FE Switch, 1 Fiber Ports, 20-km

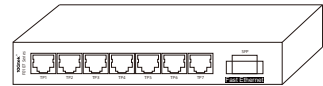
F0104-SC20
F0203-SC20
F0302-SC20
F0401-SC20
F0107-SC20



SFP

8 Ports, FE Switch, 1 SFP slots (without module)
17 Ports, FE Switch, 1 SFP slots (without module)

F0107-SFP
F0116-SFP



GE Media Converter

SC

GE Media Converter, 550-m
GE Media Converter, 1.5-km
GE Media Converter, 20-km
GE Media Converter, 40-km
GE Media Converter, 80-km
A Pair Packed, BiDi GE Media Converter, 20-km
A Pair Packed, BiDi GE Media Converter, 40-km

G0101-SCX2
G0101-SC02
G0101-SC20
G0101-SC40
G0101-SC80
G0101-SC20A(B)
G0101-SC40A(B)



SFP

GE Media Converter SFP Slot (without module)
GE Media Converter SFP Slot, with a 1.25G SFP Module, 550-m
GE Media Converter SFP Slot, with a 1.25G SFP Module, 20-km
GE Media Converter SFP Slot, with a 1.25G SFP Module, 40-km
GE Media Converter SFP Slot, with a 1.25G SFP Module, 80-km
A Pair Packed, GE Media Converter with SFP Modules, 20-km

G0101-SFP
G0101-SFP(Kit#1)
G0101-SFP(Kit#2)
G0101-SFP(Kit#3)
G0101-SFP(Kit#4)
G0101-SFP(Kit#5)



GE Switch

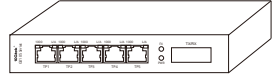
SC

3 Ports, GE Switch, 1 Fiber Port, 20-km
6 Ports, GE Switch, 1 Fiber Port, 20-km

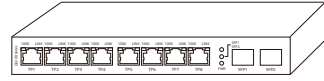
SFP

4 Ports GE Switch, 2 SFP slots (without module)
3 Ports GE Switch, 1 SFP slots (without module)
10 Ports, GE Switch, 2 SFP slots (without module)
9 Ports, GE Switch, 8 SFP slots (without module)

G0102-SC20
G0105-SC20



G0202-SFP
G0102-SFP
G0208-SFP
G0801-SFP



OEO Repeater

SFP

OEO Repeater/ 10G converter kits
10GbE Media Converter kits #31, with SFP+ SR
10GbE Media Converter kits #33, with SFP+ LR

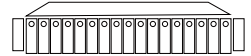
G0200-SFP
G0200-SFP (kit #31)
G0200-SFP (kit #33)



Rack

14 Slots Media Converter BOX Rack, Dual Power
16 Slots Media Converter Card Rack, Dual Power

GT-RACK-14-2
GT-RACK-16-2



SC Card

FE Media Converter Card, 20-km
GE Media Converter Card, 20-km
FE Media Converter Card, Power inside, 20-km
GE Media Converter Card, Power inside, 20-km

FK0101-SC20
GK0101-SC20
FK0101N-SC20
GK0101N-SC20

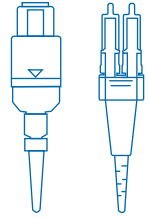
SFP Card

GE Media Converter Card SFP Slot (without module)

GK0101-SFP

Fiber

Optic Patch Cord



Fibre connectors selection guide



LC



SC



FC



ST



E2000

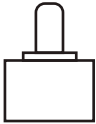


MPO/MTP

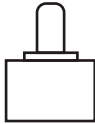


MTRJ

Polish Options



PC



UPC



APC

Duplex fiber patch cord

We can offer the following fiber options:

- OM2
- OM3
- OM4
- SMF
- Duplex
- Simplex
- Uniboot
- 8-core
- 12-core
- 24-core
- PVC
- LSZH
- UL

LC-LC



-ST
-FC
-SC
OM3 -LC -**LC** -DxxM
OM4 SxxM
OS2 -MU
-E20.
-MT.

SC-SC



-ST
-FC
-SC
OM3 -SC -**SC** -DxxM
OM4 SxxM
OS2 -LC
-MU
-E20.
-MT.

FC-FC



-ST
-FC
-FC
OM3 -FC -**FC** -DxxM
OM4 SxxM
OS2 -LC
-SC
-MU
-E20.
-MT.

ST-ST



-ST
-FC
-SC
OM3 -ST -**ST** -DxxM
OM4 SxxM
OS2 -LC
-SC
-FC
-MU
-E20.
-MT.

E2000-E2000



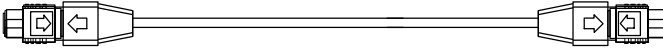
-ST
-FC
-SC
-LC
-MU
OM3 -E2000 -**E2000** -DxxM
OM4 SxxM
OS2 -MTRJ

MTRJ-MTRJ



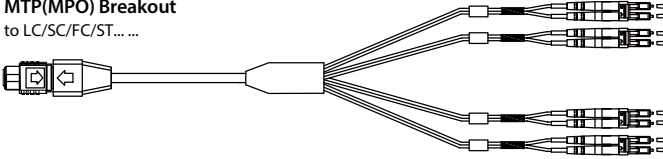
-ST
-FC
-SC
-LC
-MU
-E2000
OM3 -MTRJ -**MTRJ** -DxxM
OM4 SxxM
OS2

MPO/MTP-MPO/MTP



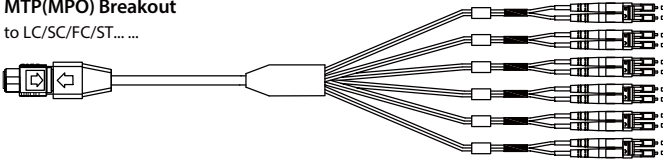
8 Fiber

MTP(MPO) Breakout
to LC/SC/FC/ST... ..



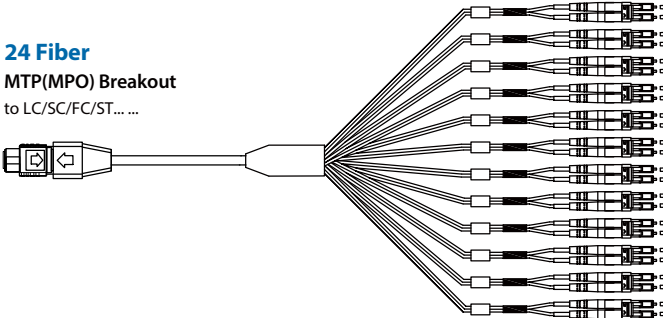
12 Fiber

MTP(MPO) Breakout
to LC/SC/FC/ST... ..



24 Fiber

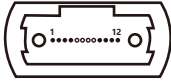
MTP(MPO) Breakout
to LC/SC/FC/ST... ..



Fiber/Max Distance:	Optical Specs:	Compliance:
OM3 50/125um 300M max	Connector A Insertion Loss .10db	RoHs
OM4 50/125um 400M max	Connector B Insertion Loss .25db	UL®
OS2 9/125um 10KM max	Return Loss A: >20db B: >55db	EIA/TIA

Flame Rating:	Breakout Length:	Polarity Methods:
Rizer Plenum LSZH Armor	Standard Custom Staggered	A B C Universal

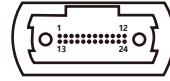
3 Options for MPO Connectors



8-FIBER

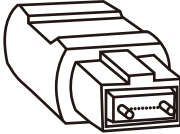


12-FIBER

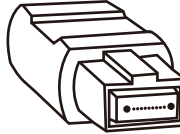


24-FIBER

MPO Connector (Male with pin /Female without pin)



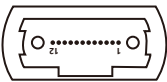
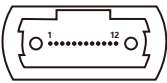
MALE



FEMALE

Multiple Options for Polarity

SIDE A | KEY-UP

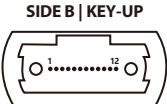
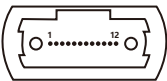


SIDE B | KEY-DOWN

POLARITY A CHANNEL ALIGNMENT - Opposing connectors have the same fiber channel positions except one end is key-up and the other is key-down.

Side A Channels:	1	2	3	4	5	6	7	8	9	10	11	12
Side B Channels:	1	2	3	4	5	6	7	8	9	10	11	12

SIDE A | KEY-UP



SIDE B | KEY-UP

POLARITY B CHANNEL ALIGNMENT - Opposing connectors are both key-up with the fiber channel positions reversed at each end.

POLARITY B for QSFP+ SR4 Transceivers

Side A Channels:	1	2	3	4	5	6	7	8	9	10	11	12
Side B Channels:	12	11	10	9	8	7	6	5	4	3	2	1