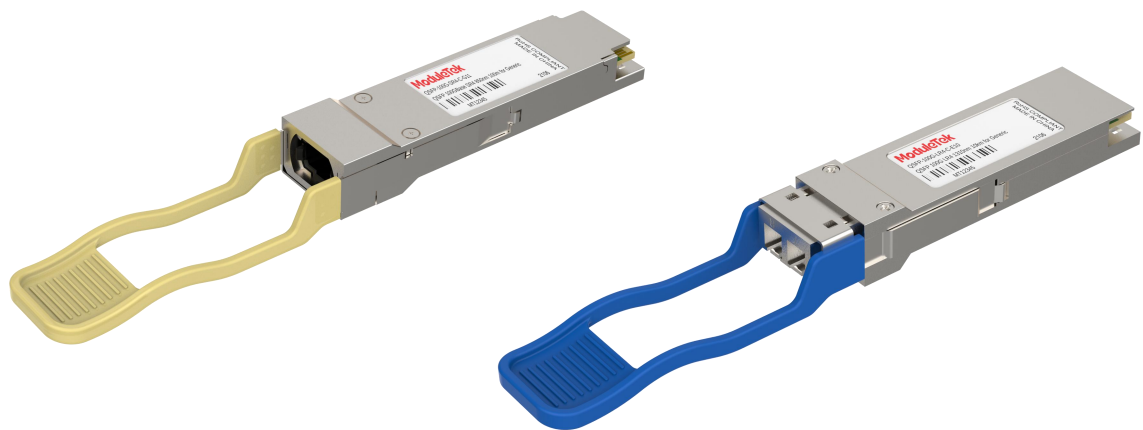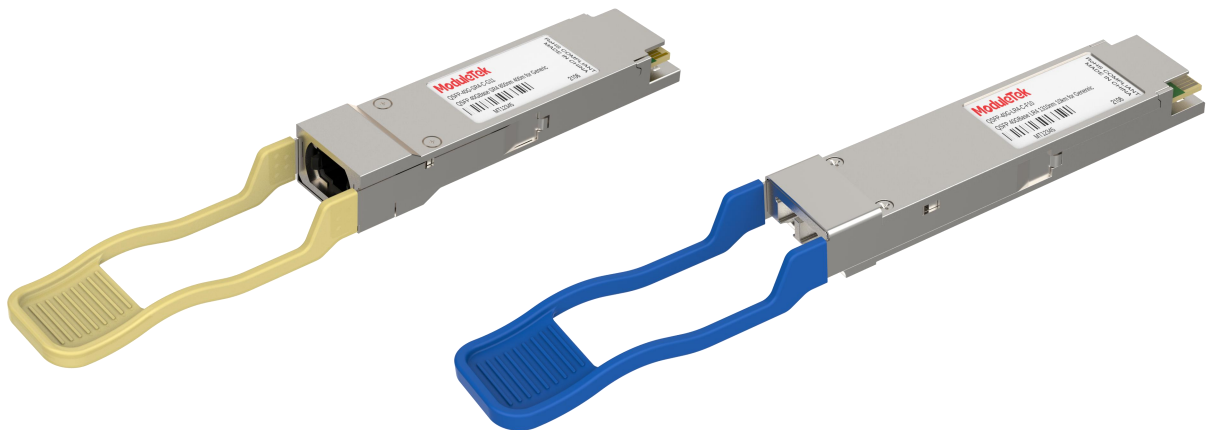**ModuleTek**

PRODUCT

CATALOGUE

2025

2025.V2

QSFP 100G

Product Features

- Compliant with IEEE 802.3

- Compliant with QSFP MSA, supports Hot-pluggable

- Low power consumption, high stability

- Applied to 100G Ethernet

Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
QSFP-100G-SR4	100Gb/s	100GBASE-SR4	850nm	100m @ OM4	MMF	MPO
QSFP-100G-CWDM4	100Gb/s	100GBASE-CWDM4	CWDM	2km	SMF	Dual LC
QSFP-100G-LR4	100Gb/s	100GBASE-LR4	LAN-WDM	10km	SMF	Dual LC
QSFP-100G-ER4L	100Gb/s	100GBASE-ER4L	LAN-WDM	40km	SMF	Dual LC
QSFP-100G-ZR4	100Gb/s	100GBASE-ZR4	LAN-WDM	80km	SMF	Dual LC

QSFP 40G

Product Features

- Compliant with IEEE 802.3

- Compliant with QSFP MSA, supports Hot-pluggable

- Low power consumption, high stability

- Applied to 40G Ethernet

Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
QSFP-40G-SR4	40Gb/s	40GBASE-SR4	850nm	400m @ OM4	MMF	MPO
QSFP-40G-LR4	40Gb/s	40GBASE-LR4	CWDM	10km	SMF	Dual LC

ModuleTek

SFP 25G

Product Features

- Compliant with SFP MSA, supports Hot-pluggable

- Internal CDR on both Transmitter and Receiver channel

- Low power consumption, high reliability

- Applied to 25G Ethernet, 5G Fronthaul

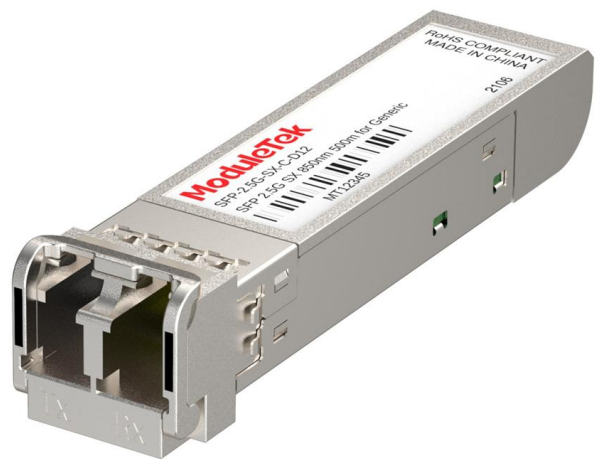| Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
SFP-25G-SR	25Gb/s	25GBASE-SR	850nm	100m @ OM4	MMF	Dual LC
SFP-25G-CSR	25Gb/s	25GBASE-CSR	850nm	400m @ OM4	MMF	Dual LC
SFP-25G-LR	25Gb/s	25GBASE-LR	1310nm	10km	SMF	Dual LC
SFP-25G-ER	25Gb/s	25GBASE-ER	1310nm	40km	SMF	Dual LC
SFP-25G-BIDI-10KM-T1270/R1330	25Gb/s	25GBASE-BX	1270nm/1330nm	10km	SMF	Single LC
SFP-25G-BIDI-10KM-T1330/R1270	25Gb/s	25GBASE-BX	1330nm/1270nm	10km	SMF	Single LC
SFP-25G-BIDI-15KM-T1270/R1330	25Gb/s	25GBASE-BX	1270nm/1330nm	15km	SMF	Single LC
SFP-25G-BIDI-15KM-T1330/R1270	25Gb/s	25GBASE-BX	1330nm/1270nm	15km	SMF	Single LC
SFP-25G-CWDM-LR-xxxx	25Gb/s	25GBASE-CWDM	1270nm~1370nm	10km	SMF	Dual LC
SFP-25G-DWDM-10KM	25Gb/s	25GBASE-DWDM	DWDM C-Band 100GHz	10km	SMF	Dual LC
SFP-25G-DWDM-15KM	25Gb/s	25GBASE-DWDM	DWDM C-Band 100GHz	15km	SMF	Dual LC

ModuleTek

SFP 10G

Product Features

- Compliant with SFP MSA, supports Hot-pluggable

- Supports industrial temperature

- Low power consumption, high reliability

- Applied to Data Center, Metropolitan Area Networks,

  Wireless Networks, Transmission Networks, etc.

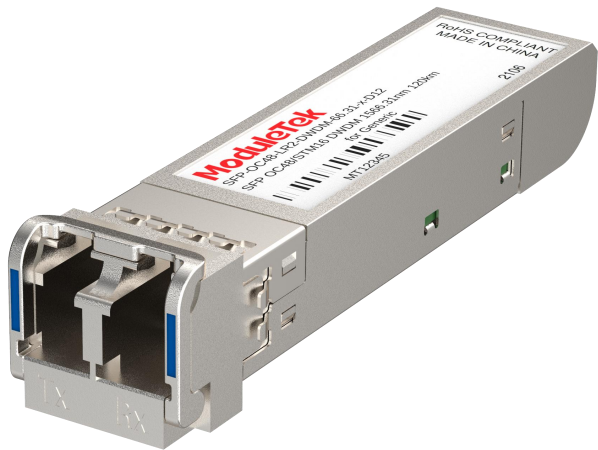| Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
SFP-10G-SR	10Gb/s	10GBASE-SR	850nm	300m	MMF	Dual LC
SFP-10G-LR	10Gb/s	10GBASE-LR	1310nm	10km	SMF	Dual LC
SFP-10G-ER	10Gb/s	10GBASE-ER	1550nm	40km	SMF	Dual LC
SFP-10G-ZR	10Gb/s	10GBASE-ZR	1550nm	80km	SMF	Dual LC
SFP-10G-DWDM-ER-xx.xx	10Gb/s	10GBASE-DWDM	DWDM C-Band 100GHz	40km	SMF	Dual LC
SFP-10G-DWDM-ZR-xx.xx	10Gb/s	10GBASE-DWDM	DWDM C-Band 100GHz	80km	SMF	Dual LC
SFP-10G-CWDM-ER-xxxx	10Gb/s	10GBASE-CWDM	1470nm~1610nm	40km	SMF	Dual LC
SFP-10G-CWDM-ZR-xxxx	10Gb/s	10GBASE-CWDM	1470nm~1610nm	80km	SMF	Dual LC
SFP-10G-CWDM-DML-xxxx	10Gb/s	10GBASE-CWDM	1270nm~1610nm	10km	SMF	Dual LC
SFP-10G-BIDI-T1270/R1330	10Gb/s	10GBASE-BX	1270nm/1330nm	10km	SMF	Single LC
SFP-10G-BIDI-T1330/R1270	10Gb/s	10GBASE-BX	1330nm/1270nm	10km	SMF	Single LC

SFP 2.5G

Product Features

- Compliant with SFP MSA, supports Hot-pluggable

- Supports industrial temperature

- Low power consumption, high reliability

- Applied to Data Center, Metropolitan Area Networks,

  Wireless Networks, Transmission Networks, etc.

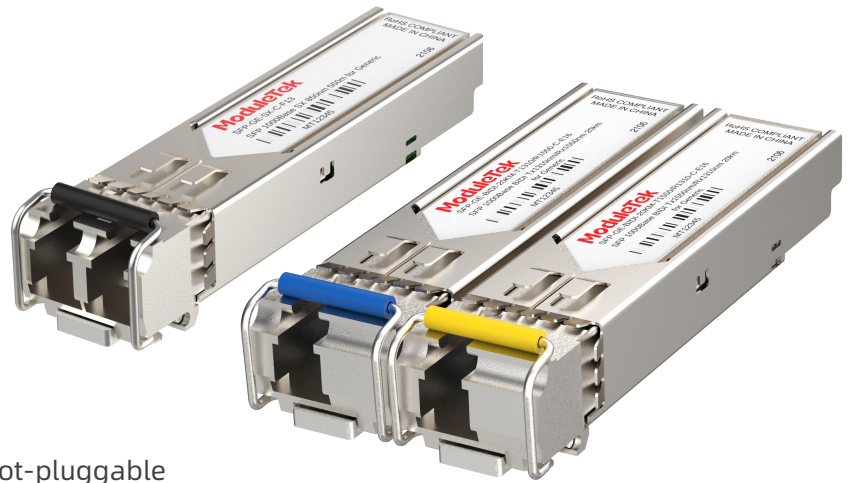| Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
SFP-2.5G-SX	2.5Gb/s	2.5GBASE-SX	850nm	500m	MMF	Dual LC
SFP-2.5G-LX	2.5Gb/s	2.5GBASE-LX	1310nm	20km	SMF	Dual LC
SFP-2.5G-EX	2.5Gb/s	2.5GBASE-EX	1310nm	40km	SMF	Dual LC
SFP-2.5G-BIDI-20KM-Txxxx/Rxxxx	2.5Gb/s	2.5GBASE-BX	1310-1490nm/1310-1550nm	20km	SMF	Single LC
SFP-2.5G-BIDI-40KM-Txxxx/Rxxxx	2.5Gb/s	2.5GBASE-BX	1310-1490nm/1310-1550nm	40km	SMF	Single LC

SFP OC48

Product Features

- Compliant with SFP MSA, supports Hot-pluggable

- Supports industrial temperature

- Low power consumption, high reliability

- Applied to Data Center, Metropolitan Area Networks,

  Wireless Networks, Transmission Networks, etc.

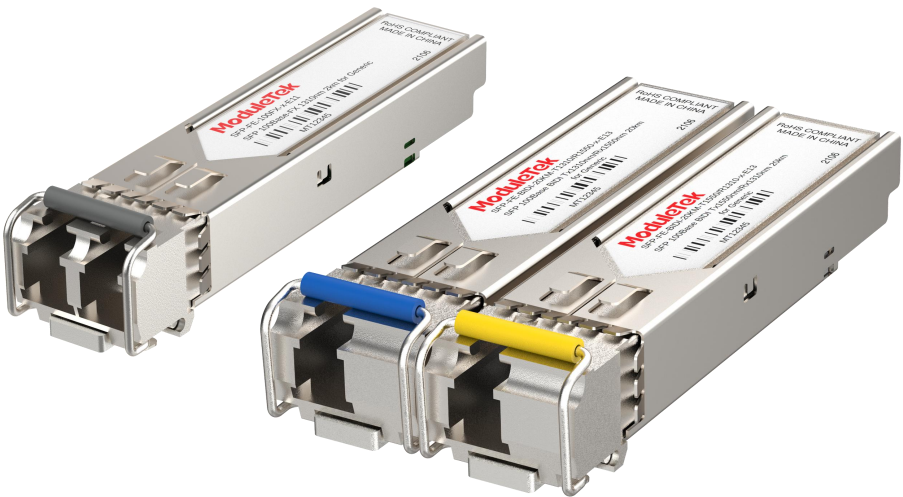| Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
SFP-OC48-LR2-DWDM-xx.xx	2.488Gb/s	OC48-LR2	DWDM C-Band 100GHz	120km	SMF	Dual LC
SFP-OC48-SR	2.488Gb/s	OC48-SR	1310nm	2km	SMF	Dual LC
SFP-OC48-IR1	2.488Gb/s	OC48-IR1	1310nm	15km	SMF	Dual LC
SFP-OC48-LR1	2.488Gb/s	OC48-LR1	1310nm	40km	SMF	Dual LC

ModuleTek

SFP GE

Product Features

- Compliant with SFP MSA, supports Hot-pluggable

- Supports industrial temperature

- Low power consumption, high reliability

- Applied to Data Center, Metropolitan Area Networks, Wireless Networks, Transmission Networks, etc.

Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
SFP-GE-SX	1Gb/s	1000BASE-SX	850nm	550m	MMF	Dual LC
SFP-GE-LX	1Gb/s	1000BASE-LX	1310nm	20km	SMF	Dual LC
SFP-GE-EX	1Gb/s	1000BASE-EX	1310nm	40km	SMF	Dual LC
SFP-GE-ZX	1Gb/s	1000BASE-ZX	1550nm	80km	SMF	Dual LC
SFP-GE-EZX	1Gb/s	1000BASE-EZX	1550nm	120km	SMF	Dual LC
SFP-GE-CWDM-xxxx-22DB	1Gb/s	1000BASE-CWDM	1270nm~1610nm	40km	SMF	Dual LC
SFP-GE-CWDM-xxxx-26DB	1Gb/s	1000BASE-CWDM	1270nm~1610nm	65~80km	SMF	Dual LC
SFP-GE-CWDM-xxxx-32DB	1Gb/s	1000BASE-CWDM	1270nm~1610nm	100~120km	SMF	Dual LC
SFP-GE-DWDM-xx.xx-32DB	1Gb/s	1000BASE-DWDM	DWDM C-Band 100GHz	120km	SMF	Dual LC
SFP-GE-BIDI-20KM-Txxxx/Rxxxx	1Gb/s	1000BASE-BX	1310-1490nm/1310-1550nm	20km	SMF	Single LC
SFP-GE-BIDI-40KM-Txxxx/Rxxxx	1Gb/s	1000BASE-BX	1310-1490nm/1310-1550nm	40km	SMF	Single LC
SFP-GE-BIDI-80KM-Txxxx/Rxxxx	1Gb/s	1000BASE-BX	1490-1550nm/1490-1570nm	80km	SMF	Single LC

SFP FE

Product Features

- Compliant with SFP MSA, supports Hot-pluggable

- Supports industrial temperature

- Low power consumption, high reliability

- Applied to FE Fast Ethernet

Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
SFP-SGMII-GE-100FX	100Mb/s	GE-100FX	1310nm	2km	MMF	Dual LC
SFP-FE-100FX	100Mb/s	100BASE-FX	1310nm	2km	MMF	Dual LC
SFP-FE-100LX	100Mb/s	100BASE-LX	1310nm	20km	SMF	Dual LC
SFP-FE-100EX	100Mb/s	100BASE-EX	1310nm	40km	SMF	Dual LC
SFP-FE-BIDI-20KM-T1310/R1550	100Mb/s	100BASE-BX	1310nm/1550nm	20km	SMF	Single LC
SFP-FE-BIDI-20KM-T1550/R1310	100Mb/s	100BASE-BX	1550nm/1310nm	20km	SMF	Single LC
SFP-FE-BIDI-40KM-T1310/R1550	100Mb/s	100BASE-BX	1310nm/1550nm	40km	SMF	Single LC
SFP-FE-BIDI-40KM-T1550/R1310	100Mb/s	100BASE-BX	1550nm/1310nm	40km	SMF	Single LC

ModuleTek

FC Transceiver

Product Features

- Compliant with SFP MSA, FC standard, supports Hot-pluggable

- Supports commercial temperature

- Low power consumption, high reliability

- FC16G supports for FC4G/FC8G/FC16G Fibre Channel
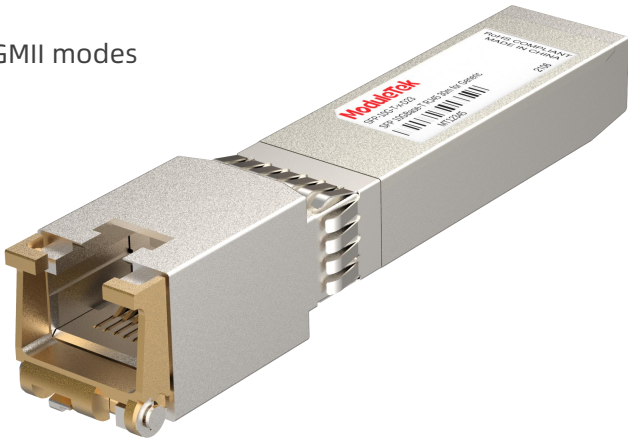
  FC32G supports for FC8G/FC16G/FC32G Fibre Channel

Part Number	Data Rate	Application	Wavelength	Distance	Media Type	Connector
SFP-FC16G-SW	14.025Gb/s	FC16G	850nm	125m @ OM4	MMF	Dual LC
SFP-FC32G-SW	28.05Gb/s	FC32G	850nm	100m @ OM4	MMF	Dual LC

ModuleTek

Copper SFP

Product Features

- **10G Copper**

  Supports 10M/100M/1000M/2.5G/5G/10G Auto Negotiation

  Supports 10GBase-T with 30m or 80m cable reach

  Host interface customizable to support XFI and USXGMII modes

  Low power consumption and low EMI emissions

- **1G Copper**

  Supports 10M/100M/1G Auto Negotiation

  Supports 1G rate 100m transmission

  Supports SERDES and SGMll interface

  Low EMI emissions and great ESD characteristics

- **2.5G Copper**

  Supports 10M/100M/1000M/2.5G Rate Adaptation

  Supports 2.5G rate 100m transmission

  Low power consumption and low EMI emissions

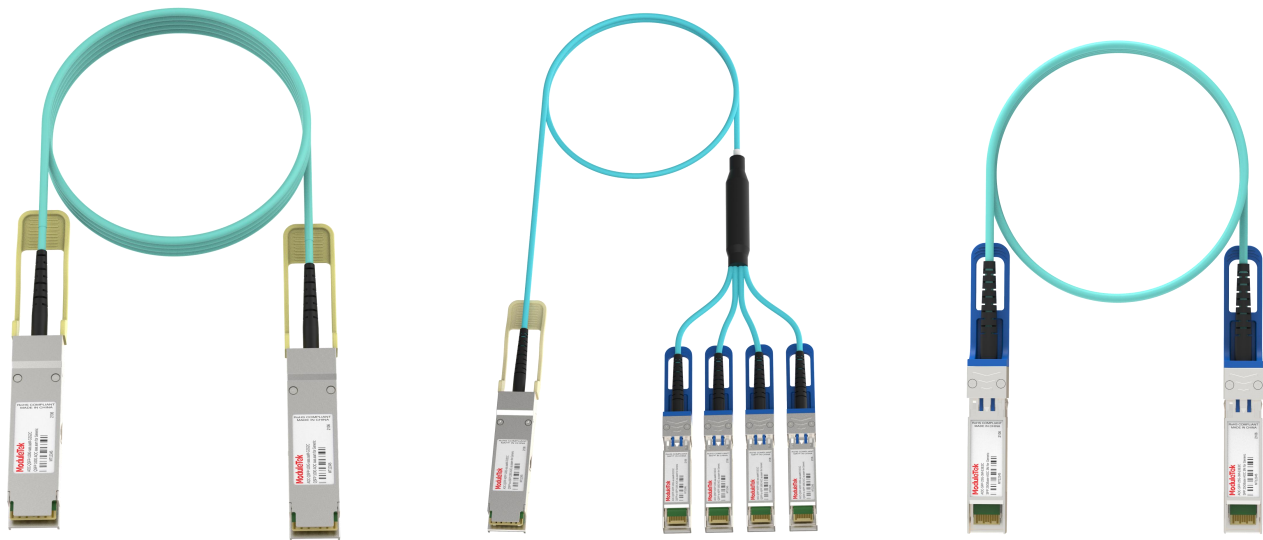| Part Number	Data Rate	Application	Distance	Connector
SFP-FE-T	100Mb/s	100BASE-T	100m	RJ45
SFP-GE-T	1Gb/s	1000BASE-T	100m	RJ45
SFP-2.5G-T	2.5Gb/s	2.5GBASE-T	100m	RJ45
SFP-10G-T-D23	10Gb/s	10GBASE-T	30m	RJ45
SFP-10G-T-D20	10Gb/s	10GBASE-T	80m	RJ45

MoculeTek

DAC

Product Features

- Supports 400G/200G/100G/50G/40G/25G/10G and other rates

- Supports QSFP-DD/QSFP/SFP and other package types

- Customized different length from 0.5m to 15m

- Supports different types of cables from 24AWG to 32AWG

- Passive Cable and Active Cable

- More cost-effective than optical transceivers

- Low power consumption

Part Number	Data Rate	Application	Max Length	Connector
DAC-SFP-10G-P-xxAWG-aa.aaM	10Gb/s	10GBASE-CR	10m	SFP to SFP
DAC-SFP-10G-A-xxAWG-aa.aaM	10Gb/s	10GBASE-CR	15m	SFP to SFP
DAC-SFP-25G-P-xxAWG-aa.aaM	25Gb/s	25GBASE-CR	5m	SFP to SFP
DAC-SFP-50G-P-xxAWG-aa.aaM	50Gb/s	50GBASE-CR	3m	SFP to SFP
DAC-QSFP-40G-P-xxAWG-aa.aaM	40Gb/s	40GBASE-CR4	7m	QSFP to QSFP
DAC-QSFP-40G-A-xxAWG-aa.aaM	40Gb/s	40GBASE-CR4	10m	QSFP to QSFP
DAC-QSFP-100G-P-xxAWG-aa.aaM	100Gb/s	100GBASE-CR4	5m	QSFP to QSFP
DAC-QSFP-4SFP-40G-P-xxAWG-aa.aaM	40Gb/s	40GBASE-CR4	5m	QSFP to 4SFP
DAC-QSFP-4SFP-100G-P-xxAWG-aa.aaM	100Gb/s	100GBASE-CR4	5m	QSFP to 4SFP
DAC-QSFP-200G-P-xxAWG-aa.aaM	200Gb/s	200GBASE-CR4	3m	QSFP to QSFP
DAC-QDD-400G-P-xxAWG-aa.aaM	400Gb/s	400GBASE-CR8	3m	QSFP-DD to QSFP-DD

ModuleTek

AOC

Product Features

- Reliable VCSEL multimode transmission solution

- Customizable cable length, supports DOM

- Compliant with QSFP/SFP MSA, supports Hot-pluggable

- Can replace the traditional DAC, wiring is simple and convenient, and space utilization is higher

Part Number	Data Rate	Application	Max Length	Media Type	Connector
AOC-SFP-10G-aaa.aaM	10Gb/s	10GBASE-AOC	300m	MMF	SFP to SFP
AOC-SFP-25G-aaa.aaM	25Gb/s	25GBASE-AOC	100m	MMF	SFP to SFP
AOC-QSFP-40G-aaa.aaM	40Gb/s	40GBASE-AOC	300m	MMF	QSFP to QSFP
AOC-QSFP-4SFP-40G-aaa.aaM	40Gb/s	40GBASE-AOC	300m	MMF	QSFP to 4SFP
AOC-QSFP-100G-aaa.aaM	100Gb/s	100GBASE-AOC	100m	MMF	QSFP to QSFP
AOC-QSFP-4SFP-100G-aaa.aaM	100Gb/s	100GBASE-AOC	100m	MMF	QSFP to 4SFP

QSFP to SFP Adapter (QSA) module
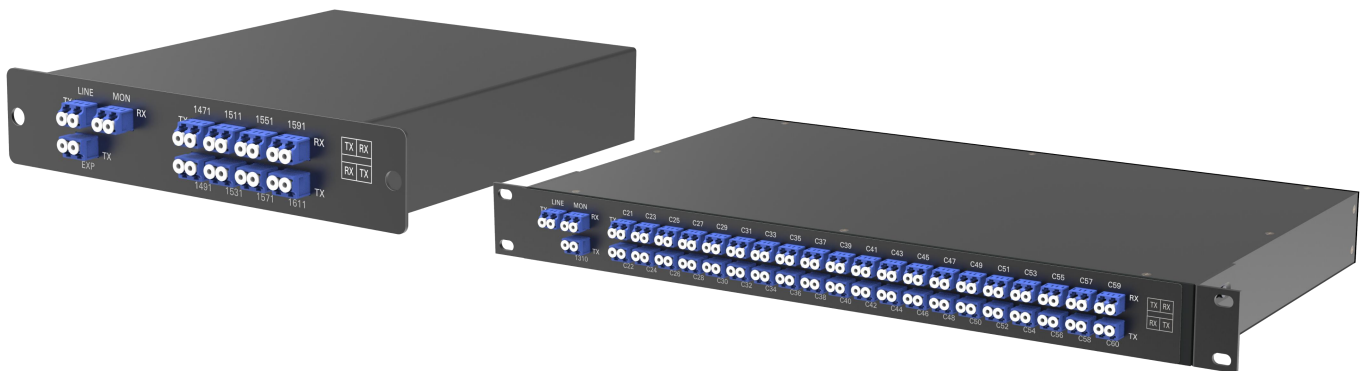
Product Features

- Compliant with SFF-8665

- Compliant with SFF-8432

- Supports up to 25G

- Ultra-low insertion loss

- Compliant with RoHS

- Applications

  Servers and switches with QSFP ports

  Testing and measuring equipments with QSFP ports

Part Number	Description
CVR-QSFP-SFP-10G	QSFP 40G to SFP 10G Adapter (QSA) module
CVR-QSFP-SFP-25G	QSFP 100G to SFP 25G Adapter (QSA) module

ModuleTek

MUX/DEMUX

Product Features

- CWDM and DWDM MUX/DEMUX follow ITU-defined wavelengths

- CWDM MUX/DEMUX mainstream products have 4, 6, 8, 12, 16 and 18 channels

- DWDM MUX/DEMUX mainstream products have 4, 8, 12, 16, 20 and 40 channels

- LGX or 19-inch 1U chassis optional

- Standard LC connector

- Low optical insertion loss

ModuleTek

Simplex/Duplex

Patch Cords

Product Features

- High reliability, high stability

- Low insertion loss

- Polish Types: UPC or APC

- FC, SC, ST, LC and other connectors

- Available fiber types：

  SM (G.652D, G.657A1, G.657A2)
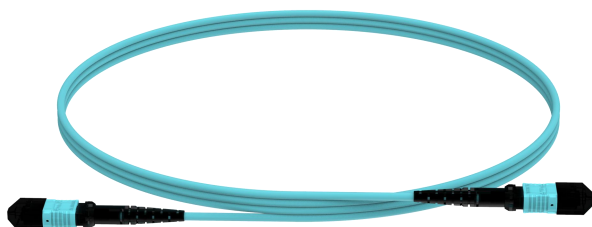
  MM (OM2, OM3, OM4, OM5)

MPO Patch Cords

Product Features

- Available polarity: Type A, Type B, Type C

- Low insertion loss

- Number of available fiber cores: 8, 12, 16, 24

- Available fiber types：

  SM (G.652D, G.657A1, G.657A2)

  MM (OM2, OM3, OM4, OM5)

- Available cable jacket types: OFNR, LSZH, OFNP

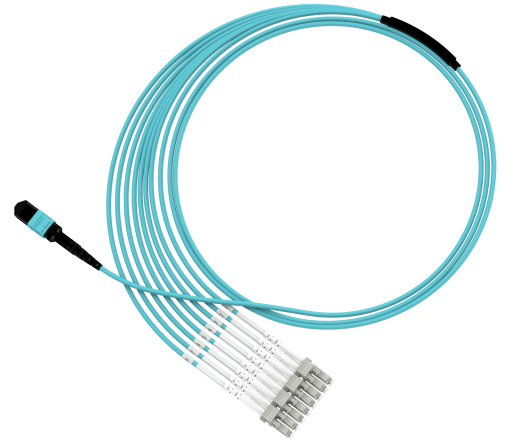- Multi-fiber connector types： MTP, MPO

- Polish Types: UPC or APC

ModuleTek
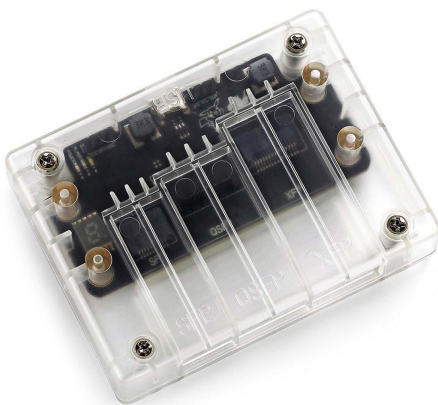
MPO Breakout Cables

Product Features

- Available polarity: Type A, Type B, Type C

- Low insertion loss

- Available fiber cores: 8, 12, 16, 24

- Available MTP/MPO connector types: male, female

- Available fiber types：

    SM (G.652D, G.657A1, G.657A2)

    MM (OM2, OM3, OM4, OM5)

- Available cable jacket types: OFNR, LSZH, OFNP

- Fanout length is 0.5m, 1m, etc.

- Multi-fiber connector types: MTP, MPO, LC, SC

- Polish Types: UPC or APC

CODING BOX

Product Features

- Efficient coding, which can be used to upgrade the firmware of our optical transceivers

- Supports SFP/XFP/QSFP multiple package types

- Driver-free installation

- Supports remote upgrade the firmware

- USB-POWER, no external independent power supply

ModuleTek

About ModuleTek

> ModuleTek is a leading optical transceiver supplier in China. For over 24 years, we have been providing satisfactory products and services to customers all over the world. We strive to keep up with the latest technology to ensure to meet our customers' needs. For ModuleTek, the customer always comes first, and our priority is to maintain a long-term partnership.

> Our advantages:

- High-speed optical device packaging, advanced automated production and testing capabilities
- Professional development capabilities on optical transceivers, rich experience on customized development, and strict requirements on reliability design
- Fast response, flexible delivery, and excellent after-sales service
- Rigorous quality management system, excellent products

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