



High Quality Delivery to the World



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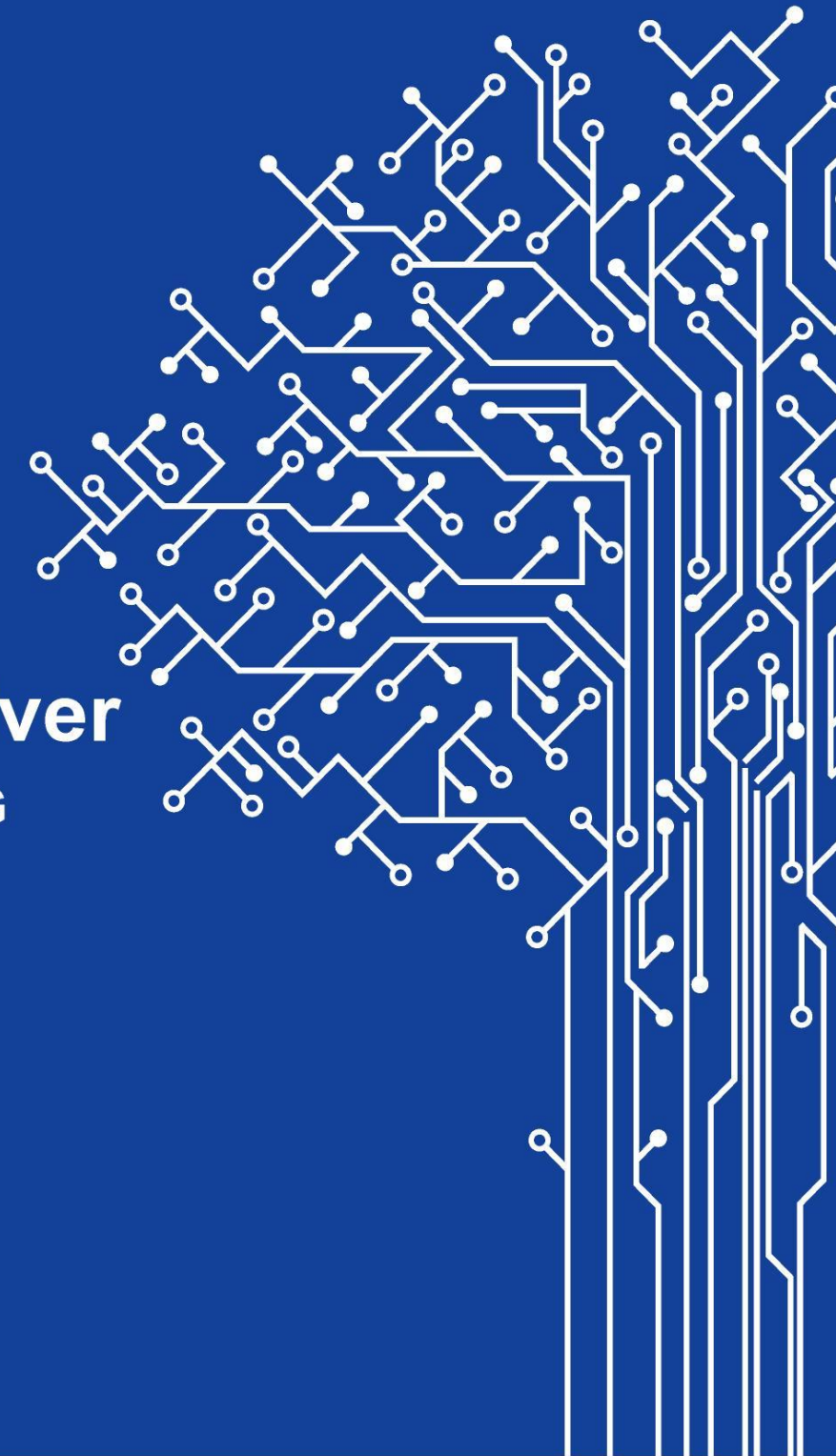
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Catalogue

Optical Transceiver

For 100G/200G/400G/800G



**Build Your Fiber Optical Cabling
Systems Faster Bigger and Sooner**

200G QSFP56 to QSFP56 Direct Attach Copper(DAC) Cable

Product Features

- Compliant with QSFP+ MSA and SFF-8636
- Complies with Ethernet IEEE802.3bj& IEEE802.3cd
- Support serial ID function through EEPROM
- Support hot swap, low crosstalk, low power consumption
- Support distances up to 3 meters
- Provide cable sizes from 30AWG to 26AWG
- Operating temperature range: 0C to 70C
- RoHS compliant
- 40G /100g/200G Ethernet
- Infiniband SDR, DDR, QDR, FDR, EDR, HDR
- Switches, routers, hubs, data center cloth



Ordering Information

P/N	Product Description	Data Rate Gb/s	Sort	Cable Diameter	Transmission Distance
UNQSFB0-DAC3001M	QSFP56 to QSFP56	200Gb/s	Passive	30AWG	30AWG<3m

100G QSFP28 to QSFP28 Direct Attach Copper(DAC) Cable

Product Features

- QSFP28 conforms to the Small Form Factor SFF-8665
- 4-Channel Full-Duplex Passive Copper Cable Transceiver
- Support for multi-gigabit data rates :25.78Gb/s (per channel)
- Copper link length up to 3m (passive limiting)
- High-Density QSFP 38-PIN Connector
- Power Supply :+3.3V
- Low power consumption: 0.02 W (typ.)
- I2C based two-wire serial interface for EEPROM signature
- which can be customized
- Temperature Range: 0~ 70 °C
- ROHS Compliant



Ordering Information

P/N	Product Description	Data Rate Gb/s	Sort	Cable Diameter	Transmission Distance
UNQSFA0-DAC3001M	QSFP28 to QSFP28	100Gb/s	Passive	30AWG	30AWG<3m

40G QSFP+to QSFP+ Direct Attach Copper(DAC) Cable

Product Features

- Compliant QSFP MSA specifications
- Fully compatible with IEEE802.3ba and Infiniband QDR specifications
- 40 Gb/s total bandwidth
- 4 independent duplex channels operating at 10Gbps, also support for 2.5Gbps, 5Gbps data rates
- 100 ohm differential impedance system
- Single 3.3V power supply, low power consumption, <1. 5W
- Low Near-End Crosstalk(NEXT)
- AC coupling of PECL signals
- EEPROM for cable signature & system communications
- Operating case temperature: -40 to 85°C
- 30 AWG to 24 AWG cable sizes available
- RoHS compliant



Ordering Information

P/N	Product Description	Data Rate Gb/s	Sort	Cable Diameter	Transmission Distance
UNQSF40-DAC3001M	QSFP+ to QSFP+	40Gb/s	Passive	**AWG26/30 optional	26AWG<7m.30AWG<3m

25G SFP28 to SFP28 Direct Attach Copper(DAC) Cable

Product Features

- Single channel data rate of 25Gbps
- Compliant with SFP + MSA and SFF-8432 compliant
- Enhanced EMI / EMC performance
- Support serial ID function through EEPROM
- Supports cable customization up to 5 meters
- 30AWG to 26AWG cable available
- RoHS and halogen-free options
- Switch / Router / HBA
- Servers and storage devices
- Data center network
- Base station / BBU / RRU
- Fiber Channel
- 25Gbs Ethernet



Ordering Information

P/N	Product Description	Data Rate Gb/s	Sort	Cable Diameter	Transmission Distance
WL00COVO-GZdJSy	SPF28 to SFP28	25Gb/s	Passive	**AWG24/28/30 optional	26AWG<5m.30AWG<3m

100G QSFP28 to 4x25G SFP28 Direct Attach Copper(DAC) Breakout Cable

Product Features

- QSFP28 conforms to the Small Form Factor SFF8665
- Supports 100G to 4x 25G Ethernet Interoperability
- 4-Channel Full-Duplex Passive Copper
- Cable Transceiver
- Support data rates : 25.78Gb/s (per channel)
- Maximum aggregate data rate: 100Gb/s (4 x 25.78Gb/s)
- IEEE 802.3bj 100GEBASE-CR4
- Power Supply :+3.3V
- Low crosstalk
- I2C based two-wire serial interface for
- EEPROM signature which can be customized
- Operating Temperature: 0~70 °C
- ROHS Compliant



Ordering Information

P/N	Product Description	Data Rate Gb/s	Sort	Cable Diameter	Transmission Distance
UNQSFA0-DAC3002M	QSFP28 100G to 4x25G SFP28 DAC	100Gb/s	Passive	**AWG26/30 optional	26AWG<5m.30AWG<3m

40G QSFP+ to 4x10G SFP+ Direct Attach Copper(DAC) Breakout Cable

Product Features

- Hot-plug swappable
- 3X Port Density over SFP / SFP+
- Optimized NEXT & Return Loss
- Low cost and low power solution compared to fiber optical cable
- Compliant with QSFP+ MSA and SFF-8436
- Compliant with IEEE 802.3ba/ Infiniband QDR specifications
- Enhanced EMI/EMC performance
- Supports serial ID functionality thru EEPROM
- Passive cable assembly supports distances up to 7 meters
- 30AWG to 24AWG cable sizes available
- RoHS compliant and Halogen-Free option available



Ordering Information

P/N	Product Description	Data Rate Gb/s	Sort	Cable Diameter	Transmission Distance
UNQSF41-DAC3001M	QSFP+ 40G to SFP+ 4x10G DAC	40Gb/s	Passive	**AWG26/30 optional	26AWG<7m.30AWG<3m

100G QSFP28 to QSFP28 AOC Active Optical Cable

Product Features

- Bandwidth density of 100 Gbps
- Transmission data rate up to 28Gbps per channel
- 4 channels 850nm 25G VCSEL array
- 4 channels 25G PIN photo detector array
- Internal CDR circuits on both receiver and transmitter channels
- Hot Pluggable QSFP28 form factor
- Maximum link length of 70m on OM3 Multimode Fiber (MMF) and 100m on OM4 MMF
- 3.3V power supply voltage
- Low power consumption<2.5W
- RoHS 6 compliant(lead free)
- Case operating temperature 0° C to+70° C



Ordering Information

P/N	Product Description	Data Rate Gb/s	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-2958-31	CFP2 LR4	100Gb/s	10	1294~1310nmL WDM EML	PIN	-4.3~+4.5	≤8.6
BST-2958-31	CFP2 ER4	100Gb/s	10	1294~1310nmL WDM EML	SOA+PIN	-2.9~+2.9	≤-21.4

40G QSFP+ to QSFP+ AOC Active optical cable

Product Features

- Quad Small Form-factor Pluggable (QSFP)
- 40GBASE-SR4 compliant
- QDR, DDR, SDR (Infiniband) compliant
- Bi-directional parallel link
- 10.3125Gb/s per lane, x4 channels
- Up to 100m
- Low profile connectors
- Low power consumption
- Bundle multi-mode fiber array
- 850nm VCSEL four array
- PIN diode four array
- Hot-Pluggable
- I2C management interface
- From 0 to 70 degree case temperature
- 3.3V power supply voltage
- Electrical 38-pin connector



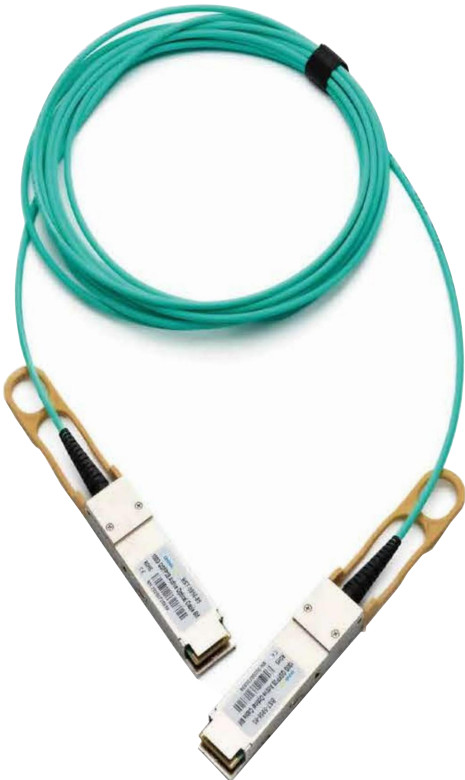
Ordering Information

P/N	Product Description	Data Rate Gb/s	TX	RX	MaxPower Consumption(W)	Cable Diameter	Operating temperature (deg c)
UNQSF40-0085MA	QSFP+ to QSFP+	40Gb/s	850nm VCSEL	PIN	15(each QSFP+)	<300m	0~70

25G SFP28 to SFP28 AOC Active Optical Cable

Product Features

- Hot pluggable SFP28 package,
- Compliant with SFP28 MSA IEEE 802.3
- Support 25Gb/s bidirectional data transmission.
- Compliant with SFF-8402 standard.
- Maximum distance up to 70M
- Compliant with EMI、ESD、ROHS-6
- Case operating temperature 0 Cto+70 C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX
BST-5713-85	SFP28 AOC	25	0.5~75	850nm VCSEL	PIN

10G SFP+ to SFP+ AOC Active Optical Cable

Product Features

- Hot pluggable SFP+ packge , compliant with SFP+ MSA ,
EEE 802.3 and OTN standard
- Support 10Gb/s bidirectional transmission
- 850nm VCSEL Laser, PIN Photo-detector Receiver
- Electrical interface compliant with SFF-
- Low power dissipation<0.35W per end
- Maximum link 300m@OM3 MMF
- Compliant with EMI、ESD、ROHS-6
- Case operating temperature 0° C to+70



Ordering Information

P/N	Product Description	Data Rate Gb/s	Reach(M)	TX	RX
BST-5615-85	SFP+ AOC	10Gb/s	0.5-300	850nm VCSEL	PIN

40G QSFP+ to 4xSFP AOC Active Optical Cable

Product Features

- Compliant to the 40GBASE-SR4 and XLPII
- Specification per IEEE 802.3ba-2010 and supporting
- 40G-IB-QDR/20G-IB-DDR/10G-IB-SDR applications
- Compliant to the industry standard SFF-8436
- QSFP+ Specification
- Power Level 1: Max Power < 1.5W
- Operate at 10.3125 Gbps per channel with 64b/66b
- encoded data for 40GbE application and at 10Gbps
- with 8b/10b compatible encoded data for 40G-IB-QDR



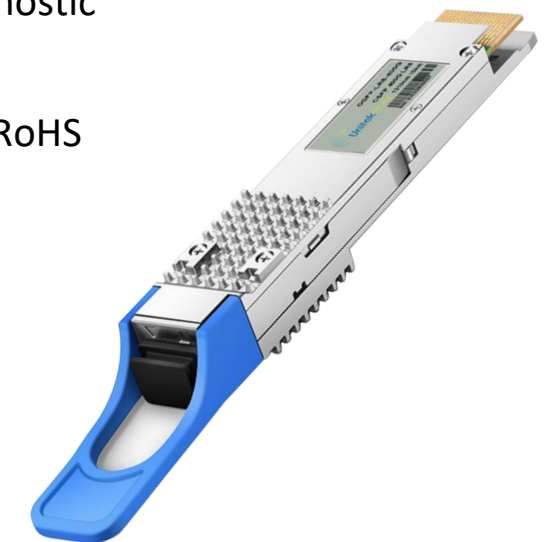
Ordering Information

P/N	Product Description	Data Rate Gb/s	TX	RX	Max Power Consumption(W)	Cable Diameter	Operating temperature (deg C)
UNQSF41-0085MAxxx	QSFP+ 40G to SFP+ 4x10G DAC	40Gb/s	850nm VCSEL	PIN	1.5 each QSFP+ 1.0 each SFP+	<300m	0~70

400G OSFP Optical Transceiver

Product Features

- Compliant with IEEE 802.3bs standard:
 - 400GBASE-LR8 optical interface
 - 400GAUI-8 electrical interface
- Compliant with OSFP MSA HW Rev 2.0 with duplex LC Lconnector
- Compliant with CMIS Rev 4.0
- Case operating temperature 0°C to 70°C
- Two wire serial Interface with digital diagnostic monitoring
- Complies with EU Directive 2011/65/EU (RoHS compliant)
- Class 1 Laser



Ordering Information

P/N	Product Description	Wavelength(nm)	Data Rate Gb/s	(km)	Fiber	Interface type
KOSFCO-L831SL10C	OSFP LR8	1310	400Gb/s	10	SMF	LC
KQSFCO-DR31SM00C	QSFP-DD DR4+	1310	400Gb/s	2	SMF	MPO
KQSFCO-DR31SM05C	QSFP-DD DR4	1310	400Gb/s	0.5	SMF	MPO
KOSFCO-DR31SM10C	QSFP-DD DR4++	1310	400Gb/s	10	SMF	MPO
KOSFCO-E831SL40C	QSFP-DD ER8	1310	400Gb/s	40	SMF	LC
KQSFCO-F431SL00C	QSFP-DD FR4	CWDM4波长	400Gb/s	2	SMF	LC
KOSFCO-L431SL100	QSFP-DD LR4	CWDM4波长	400Gb/s	10	SMF	LC
KQSFCO-L831SL10C	QSFP-DD LR8	1310	400Gb/s	10	SMF	LC

200Gb/s QSFP56 Optical Transceiver

Product Features

- 200GBASE-LR4 compliant
 - 4x 26.5625 GBd PAM4
- 200GAUI-4 compliant
 - 4x 26.5625 GBd PAM4
- Hot Pluggable QSFP56 Form Factor
- High-speed Electrical Compliant to IEEE 802.3bs
- QSFP+ 28 Gb/s compliant
- LC connector <8.0W
- <8.0W
- 0 to 70°C
- CMIS 4.0 management interface
- SFF-8636 management interface
- Data Center 200GE 10km SMF links
- 5G backhaul
- Switch/Router interconnections



Ordering Information

P/N	Center Wavelength	Connector	Cable Distance (Max.)	Cable Type	Modulation	Transmitter Type	Chip
QSFP-SR4-200G	850nm	MTP/MPO-12 UPC	70m@OM3/100m@OM4	MMF	4x50G PAM4	VCSEL	Inph
QSFP-SR4-200G	850nm	MTP/MPO-24	100m	MMF	8x25G NRZ	VCSEL	Macom
QSFP-FR4-200G	1271nm,1291nm	Duplex Lc	2km	SMF	4x50G PAM4	DFB	Oclaro
QSFP-LR4-200G	1310nm	Duplex LC	10km	SMF	4x50G PAM4	DFB	Inph

100Gb/s QSFP28 Optical Transceiver

Product Features

- Hot-pluggable QSFP28 form factor
- compliant with the QSFP28 MSA and IEEE P802.3ba standard
- 4 channels full-duplex transceiver modules
- Up to 28Gb/s per channel, 112Gb/s aggregate bit rate
- Support InfiniBand EDR
- Single 3.3V power supply
- 4x25Gb/s VCSEL/DFB/EML transmitter
- 4x25G electrical interface
- Built in full digital diagnostics functions
- 12C management interface
- Maximum link length of 40km on SMF/100m on MMF
- Power dissipation<5W
- Case operating temperature : 0'C to+70C,-20C to+80°
- CRoHS-6 Compliant



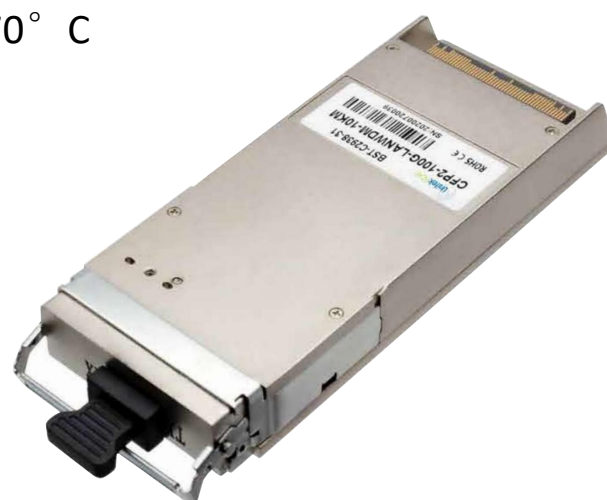
Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-2906-85	QSFP28 SR4	100Gb/s	100M(OM4)	850nm VCSEL	PIN	-8.4~+2.4	≤-9.2(5E-5)
BST-C2926-XX	QSFP28 CWDM4	100Gb/s	2	CWDM DFB	PIN	-6.5~+2.5dBm	≤-11.5(5E-5)
BST-2936-31	QSFP28 LR4	100Gb/s	10	1294~1310nm LWDM	PIN	-4.3~+4.5dBm	≤-12(5E-5)
BST-2956-31	QSFP28 ER4	100Gb/s	40	1294~1310nm LWDM	APD	-2.5~+4.5dBm	≤-18.5(5E-5)

100Gb/s CFP2 Optical Transceiver

Product Features

- Hot-pluggable CFP2 form factor
- Compliant with the CFP MSA IEEE 802.3, and OTN series Protocols
- Supports 103.1Gb/s and 112Gb/s aggregate bit rates
- EML transmitter
- CAUI/CPPI electrical interface
- Duplex LC receptacles
- Built in full digital diagnostics functions
- Maximum link length of 10km on SMF
- Single 3.3V power supply
- Low power dissipation<9W
- Case operating temperature : 0° C to+70° C
- RoHS-6 Compliant



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-2958-31	CFP2 LR4	100Gb/s	10	1294~1310nmLWDM EML	PIN	-4.3~+4.5	≤-8.6
BST-2958-31	CFP2 ER4	100Gb/s	10	1294~1310nmLWDM EML	SOA+PIN	-2.9~+2.9	≤-21.4

40Gb/s QSFP+ Optical Transceiver

Product Features

- Hot-pluggable QSFP+ form factor
- compliant with the QSFP+ MSA ,IEEE 802.3 and OTN standard.
- 4 independent full-duplex channels
- Up to 11.2Gbps per channel bandwidth
- Aggregate bandwidth of > 40Gbps
- QSFP MSA compliant
- VCSEL/DFB/EML transmitter
- Built-in digital diagnostic functions
- Duplex LC receptacles/Single MPO-12 receptacle
- Single +3.3V power supply operating
- TX input and RX output CDR retiming
- Case operating temperature: 0C to+70C,-40C to+85C
- RoHS-6 Compliant



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-2800-85	QSFP+ SR4	40Gb/s	100M	850nm VCSEL	PIN	-7.6~+2.4	≤-11
BST-C2820-XX	QSFP+ CWDM IR4	40Gb/s	2	CWDM DFB	PIN	-7.5~+2.5	≤-11
BST-C2830-XX	QSFP+ LR4	40Gb/s	10	CWDM DFB	PIN	-7.0~+2.5	≤-11
BST-C2830-XX	QSFP+ Er4	40Gb/s	40	CWDM DFB	APD	-2.7~+4.5	≤-19

25Gb/s DWDM SFP28 Optical Transceiver

Product Features

- Up to 25Gb/s data links
- 100 GHz ITU channel spacing with integrated wavelength locker
- Support Digital Diagnostic Monitoring interface
- 2-wire interface for management specifications compliant
- With SFF 8472 digital diagnostic monitoring interface for optical transceivers
- Electrically hot-pluggable
- Meet ESD requirements, resist 8KV direct contact voltage
- RoHS-6 compliant and lead-free
- Single +3.3V power supply
- Case operating temperature : 0°C to +70°C, -40°C to +85°C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-D2733-XX	SFP28 DWDM	25Gb/s	10	CH17-61EML	PIN	-1~+5	≤-14(5E-5)
BST-D2753-XX	SFP28 DWDM	25Gb/s	40	CH17-61EML	PIN	-1~+5	≤-21(5E-5)

25Gb/s CWDM SFP28 Optical Transceiver

Product Features

- Up to 25Gb/s data links
- CWDM DFB laser and PIN/APD receiver
- Support Digital Diagnostic Monitoring interface
- Cost effective SFP28 solution, enables higher port densities and greater bandwidth
- 2wire interface for management specifications compliant With SFF 8472 digital diagnostic monitoring interface for optical transceivers
- Electrically hot-pluggable
- Metal enclosure, for lower EMI
- Meet ESD requirements, resist 8KV direct contact voltage
- RoHS-6 compliant and lead-free
- Single +3.3V power supply
- Case operating temperature: 0°C to +70°C -40°C to +85°C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-C2733-XX	SFP28 CWDM	25Gb/s	10	CWDM DML	PIN	-1~+5	≤-14(5E-5)
BST-C2743-XX	SFP28 CWDM	25Gb/s	20	CWDM DML	APD	-1~+5	≤-19(5E-5)

25Gb/s BIDI SFP28 Optical Transceiver

Product Features

- Up to 25Gb/s data links
- BIDI LC/UPC type pluggable optical interface
- Support Digital Diagnostic Monitoring interface
- Cost effective SFP28 solution, enables higher port densities and greater bandwidth
- 2-wire interface for management specifications compliant with SFF 8472 digital diagnostic monitoring interface for optical transceivers
- Electrically hot-pluggable
- Metal enclosure, for lower EMI
- Meet ESD requirements, resist 8KV direct contact voltage
- RoHS-6 compliant and lead-free
- Single +3.3V power supply
- Case operating temperature :0° C to+70° C -40C to+85° C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-1733-27	SFP28 LR BIDI	25Gb/s	10	1270nm/1330nm DFB	PIN	-5.0~+2	≧-12
BST-1733-33	SFP28 LR BIDI	25Gb/s	10	1330nm/1270nm DFB	PIN	-5.0~+2	≧-12

25Gb/s SFP28 Optical Transceiver

Product Features

- Up to 25Gb/s data links
- 1310nm DFB laser and PIN/APD receiver
- Support Digital Diagnostic Monitoring interface
- Cost effective SFP28 solution, enables higher port densities and greater bandwidth
- 2-wire interface for management specifications compliant with SFF 8472 digital diagnostic monitoring interface for optical transceivers
- Electrically hot-pluggable
- Metal enclosure, for lower EMI
- Meet ESD requirements, resist 8KV direct contact voltage
- RoHS-6 compliant and lead-free
- Single +3.3V power supply
- Case operating temperature :0° C to+70C -40° C to+85° C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-2703-85	SFP28 SR	25Gb/s	100M(OM4)	850nm VCSEL	PIN	-8.4~+2.4	≧-5.2
BST-2733-31	SFP28 LR	25Gb/s	10	1310nm DFB	PIN	-7~+2	≧-12.0(5E-5)
BST-2753-3	SFP28 ER	25Gb/s	10	EMI	APD	-1.6~+6	≧-19(5E-5)

10Gb/s DWDM SFP +/XFP Optical Transceiver

Product Features

- Supports 9.95Gb/s to 11.3Gb/s bit rates
- 50/100 GHz ITU channel spacing with integrated wavelength locker
- Up to 80km on 9/125/um SMF
- Hot-pluggable SFP+/XFP footprint
- Compliant with SFP+/XFP MSA with LC connector
- Metal enclosure, for lower EMI
- Meet ESD requirements, resist 8KV direct contact voltage
- RoHS compliant and lead-free
- Support Digital Diagnostic Monitoring interface
- Single +3.3V power supply
- Case operating temperature : 0C to +70C, -40C to +85° C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-D2655-XX/ BST-D2654-XX	DWDM SFP+/XFP ER	10Gb/s	40	DWDM EML	PIN	-1~+4	≧ -16
BST-D2675-XX/ BST-D2674-XX	DWDM SFP+/XFP ZR	10Gb/s	80	DWDM EML	APD	-1~+5	≧ -23

10Gb/s CWDM SFP+/XFP Optical Transceiver

Product Features

- Up to 11.3Gb/s data links
- CWDM DFB laser and PIN/APD receiver
- Duplex LC/UPC type pluggable optical interface
- Metal enclosure, for lower EMI
- Meet ESD requirements, resist 8KV direct contact voltage
- RoHS compliant and lead-free
- Support Digital Diagnostic Monitoring interface
- Single +3.3V power supply
- Compliant with SFP+ MSA and SFF-8472
- Case operating temperature : 0C to +70C, -40C to +85C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-C2635-XX/ BST-C2634-XX	CWDM SFP +/XFP IR	10Gb/s	10	CWDM DFB	PIN	-5~0	≧ -14
BST-C2645-XX/ BST-C2644-XX	CWDM SFP +/XFP IR	10Gb/s	20	CWDM DFB	PIN	-3~2	≧ -16
BST-C2655-XX/ BST-C2657-XX	CWDM SFP +/XFP ER	10Gb/s	40	CWDM 1270~1450nm DFB	PIN	0~5	≧ -16
BST-C2675-XX/ BST-C2674-XX	CWDM SFP +/XFP ZR	10Gb/s	80	CWDM 1470~1610nm DFB	APD	0~5	≧ -23

10Gb/s SFP+ Optical Transceiver

Product Features

- Up to 11.3Gb/s data links
- Hot-pluggable SFP+ footprint
- Duplex LC/UPC type pluggable optical interface
- Metal enclosure, for lower EMI
- Meet ESD requirements resist 8KV direct contact voltage
- RoHS compliant and lead-free
- Support Digital Diagnostic Monitoring interface
- Single +3.3V power supply
- Compliant with SFP+ MSA and SFF-8472
- Case operating temperature : 0°C to +70°C, -40°C to +85°C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-2605-85	SFP+ SR	10Gb/s	300M	850nm VCSEL	PIN	-6~-1	≤-11
BST-2625-31	SFP+ IR	10Gb/s	2	1310nm FP	PIN	-8.2~+0.5	≤-14
BST-2635-31	SFP+ LR	10Gb/s	10	1310nm DFB	PIN	-6~-1	≤-14
BST-2655-55	SFP+ ER	10Gb/s	40	1550nm EML	PIN	-1~+5	≤-16
BST-2675-55	SFP+ ZR	10Gb/s	80	1550nm EML	APD	0~+5	≤-23

10Gb/s BIDI SFP+/XFP Optical Transceiver

Product Features

- Up to 11.3Gb/s data links
- Hot-pluggable SFP+/XFP footprint
- BIDI LC/UPC type pluggable optical interface
- Metal enclosure, for lower EMI
- Meet ESD requirements resist 8KV direct contact voltage
- RoHS compliant and lead-free
- Support Digital Diagnostic Monitoring interface
- Single +3.3V power supply
- Compliant with SFP+ MSA and SFF-8472/INF-8077i
- Case operating temperature : 0°C to +70°C, -40°C to +85°C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-1635-27 BST-1634-27	BIDI SFP+ XFP IR	10Gb/s	10	TX1270/RX1330 DFB	PIN	-6~-1	≤-14
BST-1635-33 BST-1634-33	BIDI SFP+ XFP IR	10Gb/s	10	TX1330/RX1270 DFB	PIN	-6~-1	≤-14
BST-1645-27 BST-1644-27	BIDI SFP+ XFP IR	10Gb/s	20	TX1270/RX1330 DFB	PIN	-2~+3	≤-16
BST-1645-33 BST-1644-33	BIDI SFP+ XFP IR	10Gb/s	20	TX1330/RX1270 DFB	PIN	-2~+3	≤-16
BST-1655-27 BST-1654-27	BIDI SFP+ XFP ER	10Gb/s	40	TX1270/RX1330 DFB	PIN	0~+5	≤-15
BST-1655-33 BST-1654-33	BIDI SFP+ XFP ER	10Gb/s	40	TX1330/RX1270 DFB	PIN	0~+5	≤-15
BST-1675-49 BST-1674-49	BIDI SFP+ XFP ZR	10Gb/s	80	TX1490/RX1550 EML	APD	+1~+5	≤-23
BST-1675-55 BST-1674-55	BIDI SFP+ XFP ZR	10Gb/s	80	TX1550/RX1490 DEML	APD	+1~+5	≤-23

10Gb/s Copper SFP/SFP+ Optical Transceiver

Product Features

- Support 10G BASE-T operation in Host Systems
- Hot-pluggable SFP/SFP+ footprint
- Up to 30m using Cat 6a/7 Cable
- No support TX_disable and with Link function
- Compliant with SFF-8431 and SFF-8432 MSA
- Low power dissipation (1.2W typical)
- Fully Metallic Enclosure for Low EMI
- Compliant with IEEE 802.3az Compliant
- Single +3.3V power Supply
- Compact RJ-45 connector assembly
- RoHS compliant and lead-free
- Case operating temperature : 0C to +70C-40C to+85C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	Connector	Rx_LOS	Tx Disable
BST-0102-26	Copper SFP	10/100/1000 Mbps	100M	RJ45	YES	YES
BST-0102-26	Copper 10G SFP+	10Gb/s	30M	RJ45	YES	YES

6G SFP+ & 3G CPRI SFP Optical Transceiver

Product Features

- Duplex LC or Single LC Connector
- Single 3.3 V Power Supply
- Compliant with SFP+ and SFP MSA
- Compliant with CPRI/OBSAI
- Built-in Digital Diagnostic Monitor function
- Multi-rate for 1.228 Gb/s to 6.144 Gb/s
- 18-Wavelength CWDM 1270nm to 1610nm available
- Low Power Dissipation
- RoHS-6 Compliant
- Case operating temperature : 0° C to +70° C, -40° C to +85° C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-C2352-XX	WDM SFP	3.072	40	CWDM DFB	PIN	-2~+3	≤-16
BST-C2372-XX	CWDM SFP	3.072	80	CWDM DFB	APD	0~+5	≤-28
BST-1342-31	BIDI SFP	3.072	20	TX1310/RX1550 DFB	PIN	-5~+0	≤-18
BST-1342-55	BIDI SFP	3.072	20	TX1550/RX1310 DFB	PIN	-5~+0	≤-18
BST-C2555-XX	CWDM SFP+	6.144	40	CWDM DFB	PIN	-4~+1	≤-16
BST-C2575-XX	XXCWDM SFP+	6.144	80	CWDM DFB	APD	0~+4	≤-24
BST-1545-27	BIDI SFP+	6.144	20	TX1270/RX1330 DFB	PIN	-2~+3	≤-16
BST-1545-33	BIDI SFP+	6.144	20	TX1330/RX1270 DFB	PIN	-2~+3m	≤-16

155M~2.67Gbps DWDM SFP Optical Transceiver

Product Features

- Hot-pluggable SFP package
- Dual LC Connector
- Wide distance Supported from 40km to 120km
- Built-in Digital Diagnostic Monitor functions optional
- Metal Enclosure for Lower EMI
- Comply with SFP MSA
- Comply with SDH/SONET
- Comply with IEEE Std 802.3
- DWDM 100GHz ITU Grid C Band Available
- Single +3.3V Power Supply
- Low Power Dissipation
- RoHS- Compliant
- Case operating temperature
- 0° C to+70° C,-40° C to+85° C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-D2072-XX	DWDM SFP ZR	155Mbps	80	DWDM DFB	PIN	-5~0	≧-36
BST-D2172-XX	DWDM SFP ZR	1.25	80	DWDM DFB	PIN	0~+4	≧-24
BST-D2182-XX	DWDM SFP ZR+	1.25	120	DWDM DFB	APD	0~+5	≧-32
BST-D2252-XX	DWDM SFP ER	2.5	40	DWDM DFB	PIN	-2~3	≧-18
BST-D2272-XX	DWDM SFP ZR	2.5	80	DWDM DFB	APD	0~+5	≧-28
BST-D2282-XX	DWDM SFP ZR+	2.5	120	DWDM DFB	APD	0~5	≧-31

155M~2.67G CWDM SFP Optical Transceiver

Product Features

- Hot-pluggable SFP package
- Dual LC Connector
- Wide distance Supported from 40km to 120km
- Built-in Digital Diagnostic Monitor functions optional
- Metal Enclosure for Lower EMI
- Comply with SFP MSA
- Comply with SDH/SONET
- Comply with IEEE Std 802.3
- 18-Wavelength CWDM 1270nm to 1610nm available
- Single +3.3V Power Supply
- Low Power Dissipation
- RoHS-6 Compliant
- Case operating temperature
- 0° C to+70° C,-40° C to+85C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-C2072-XX	CWDM SFP ZR	155Mbps	80	CWDM DFB	PIN	-5~0	≧-34
BST-C2142-XX	CWDM SFP ER	1.25	80	CWDM DFB	PIN	-5~0	≧-24
BST-C2172-XX	CWDM SFP ZR	1.25	120	CWDM DFB	APD	0~+4	≧-24
BST-C2182-XX	CWDM SFP ZR+	2.5	40	CWDM DFB	PIN	0~+4	≧-32
BST-C2252-XX	CWDM SFP ER	2.5	80	CWDM DFB	PIN	-2~+3	≧-23
BST-C2272-XX	CWDM SFP ZR	2.5	120	CWDM DFB	APD	0~+5	≧-28

155M~2.67G BIDI SFP Optical Transceiver

Product Features

- Single Fiber Bi-directional Transmission
- Hot-pluggable SFP Footprint
- Single LC or SC Connector optional
- Wide Distance Supported from 2km to 120km
- Built-in Digital Diagnostic Monitor function
- Metal Enclosure for Lower EMI
- Comply with SFP MSA
- Comply with SDH/SONET
- Comply with IEEE Std 802.3
- Single +3.3V Power Supply
- RoHS-6 Compliant
- Case operating temperature : 0C to+70C,-40C to+85C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-1142-31	BIDI SFP LR	1.25	20	TX1310/RX1550 FP	PIN	-7~-3	≤-23
BST-1142-55	BIDI SFP LR	1.25	20	TX1550/RX1310 DFB	PIN	-7~-3	≤-23
BST-1142-31	BIDI SFP LR	1.25	20	TX1310/RX1490 FP	PIN	-7~-3	≤-23
BST-1142-49	BIDI SFP LR	1.25	20	TX1490/RX1310 DFB	PIN	-7~-3	≤-23
BST-1152-31	BIDI SFP ER	1.25	40	TX1310/RX1490 DFB	PIN	-2~+3	≤-23
BST-1152-49	BIDI SFP ER	1.25	40	TX1490/RX1310 DFB	PIN	-5~0	≤-23
BST-1172-49	BIDI SFP ZR	1.25	80	TX1490/RX1550 DFB	PIN	-2~+3	≤-24
BST-1172-55	BIDI SFP ZR	1.25	80	TX1550/RX1490 DFB	PIN	-2~+3	≤-24
BST-1182-49	BIDI SFP ZR+	1.25	120	TX1490/RX1550 DFB	APD	-1~+4	≤-32
BST-1182-55	BIDI SFP ZR+	1.25	120	TX1550/RX1490 DFB	APD	-1~+3	≤-32
BST-1222-31	BIDI SFP 2KM	2.5	2	TX1310/RX1550 FP	PIN	-7~-3	≤-18
BST-1222-55	BIDI SFP 2KM	2.5	2	TX1550/RX1310 DFB	PIN	-7~-3	≤-18
BST-1242-31	BIDI SFP LR	2.5	20	TX1310/RX1490 DFB	PIN	-5~0	≤-18
BST-1242-49	BIDI SFP LR	2.5	20	TX1490/RX1310 DFB	PIN	-5~0	≤-18
BST-1252-49	BIDI SFP ER	2.5	40	TX1490/RX1550 DFB	PIN	-2~+3	≤-18
BST-1252-55	BIDI SFP ER	2.5	40	TX1550/RX1490 DFB	PIN	-2~+3	≤-18
BST-1272-49	BIDI SFP ZR	2.5	80	TX1490/RX1550 DFB	APD	-2~+3	≤-28
BST-1272-55	BIDI SFP ZR	2.5	80	TX1550/RX1490 DFB	APD	-2~+3	≤-28

155M~2.67G Duplex SFP Optical Transceiver

Product Features

- Hot-pluggable SFP Footprint
- Dual LC Connector
- Wide Distance Supported from 20KM to 120km
- Built-in Digital Diagnostic Functions
- Metal Enclosure for Lower EMI
- Comply with SFP MSA
- Comply with SDH/SONET
- Comply with IEEE Std 802.3
- Single +3.3V Power Supply
- RoHS-6 Compliant
- Case operating temperature : 0C to+70° C,-40C to+85° C



Ordering Information

P/N	Description	Data Rate (Gb/s)	Reach (km)	TX	RX	Output Power	Sensitivity (dBm)
BST-2142-31	SFP LR	1.25	20	1310nm FP	PIN	-9~-3	≤-24
BST-2152-31	SFP ER	1.25	40	1310nm DFB	PIN	-2~+3	≤-24
BST-2152-55	SFP ER	1.25	40	1550nm DFB	PIN	-5~0	≤-24
BST-2172-55	1SFP ZR	1.25	80	1550nm DFB	PIN	-2~+3	≤-24
BST-2182-55	SFP ZR+	1.25	120	1550nm DFB	APD	0~+5	≤-32