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Produced by Marketing Department
Version 202007



 HGTECH

华工正源光子技术有限公司
HG Genuine Optics Co.,Ltd

Cloud Series

800G QSFP-DD DR8



Features

- 8x106.25Gbps(PAM4)optical signal
- Operation case temperature: 0~70°C
- Up to 500m transmission on SMF with FEC

Applications

- Next Generation Data Center Networking

400G QSFP-DD DR4



Features

- Optical bit rate 4 x 106.25Gb/s PAM4
- 4 parallel optical lanes on 1310nm wavelength
- Transmission distance: 500 m over SMF with FEC
- Power consumption: < 12W
- Operating case temperature: 0~70 °C
- MPO-12 connector

Applications

- Datacom 400G Switch & Router connections

400G QSFP-DD DR4+



Features

- Optical bit rate 4 x 106.25Gb/s PAM4
- 4 parallel optical lanes on 1310nm wavelength
- Transmission distance: 2km over SMF with FEC
- Power consumption: < 12W
- Operating case temperature: 0~70 °C
- MPO-12 connector

Applications

- Datacom 400G Switch & Router connections

400G QSFP-DD FR4



Features

- Optical bit rate 4 x 106.25Gb/s PAM4
- 4 CWDM lanes MUX/DEMUX design
- Transmission distance: 2km over SMF with FEC
- Power consumption: < 12W
- Operating case temperature: 0~70 °C
- Duplex LC connector

Applications

- Datacom 400G Switch & Router connections

400G QSFP-DD SR8



Features

- QSFP-DD MSA compliant
- Transmission distance: 100 m over OM4 MMF
- Power consumption: < 10.5W
- Operating case temperature: 0~70 °C

Applications

- Datacom 400G Switch & Router connections

400G QSFP-DD AOC



Features

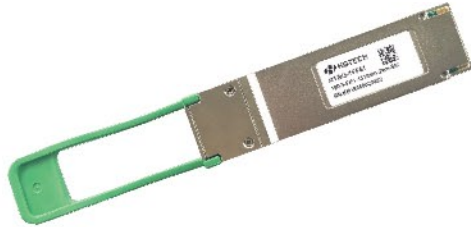
- Cable length: max 100m with OM4 MMF
- Power consumption: < 10.5W each end
- Operating case temperature: 0~70 °C
- 400G AVI-8 C2M electrical interface

Applications

- Datacom 400G Switch & Router connections

Cloud Series

100G QSFP28 FR1



Features

- 4 x 25Gbps NRZ electrical interface
- 106.25Gbps(PAM4) optical signal
- Power consumption: <4W
- Operating case temperature: 0~70 °C
- Up to 2km transmission on SMF with FEC

Applications

- 100G Ethernet
- Data Center Networking

100G QSFP28 DR1



Features

- 4 x 25Gbps NRZ electrical interface
- 106.25Gbps(PAM4) optical signal
- Power consumption: <4W
- Operating case temperature: 0~70 °C
- Up to 500m transmission on SMF with FEC

Applications

- 100G Ethernet
- Data Center Networking

100G QSFP28 DR1+



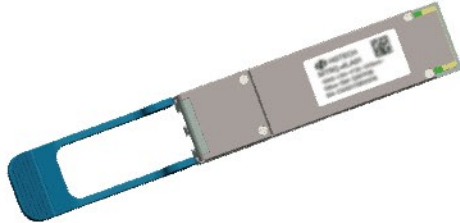
Features

- 4 x 25Gbps NRZ electrical interface
- 106.25Gbps(PAM4) optical signal
- Power consumption: <4W
- Operating case temperature: 0~70 °C
- Up to 2km transmission on SMF with FEC

Applications

- 100G Ethernet
- Data Center Networking

100G QSFP28 LR4



Features

- Integrated cooled LAN-WDM DML TOSA and PIN ROSA
- Transmission data rate up to 25.78Gbit/s per channel
- Power consumption: <4W
- Operating case temperature : 0~70 °C
- Up to 10km reach for G.652 SMF
- 2-wire interface for integrated Digital Diagnostic monitoring

Applications

- 100G Ethernet

100G QSFP28 CWDM4



Features

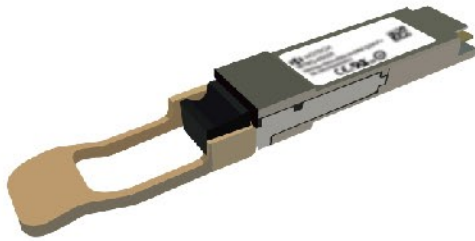
- Links up to 2km on SMF with FEC
- Operating case temperature: 0~70°C
- Power consumption: <3.5W
- Integrated CWDM DFB TOSA (1271,1291,1311,1331nm) and PIN ROSA
- DDM function implemented

Applications

- 100G Ethernet
- Proprietary High Speed Interconnections

Cloud Series

100G QSFP28 SR4



Features

- Links up to 100m using OM4 fiber
- Operating temperature range: 0~70°C
- Power consumption: <2.5W
- Independently parallel 4*25.78Gbps
- DDM function implemented
- Hot pluggable
- MPO connector
- Single +3.3V power supply

Applications

- 100G BASE-SR4 Ethernet
- Infiniband EDR interconnects
- High performance computing interconnect

100G QSFP28 AOC



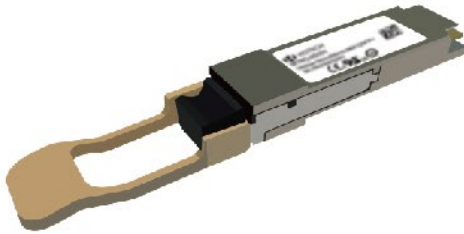
Features

- Length available up to 100m
- Operating temperature range: 0~70°C
- Power consumption: <2.5W each end
- Independently parallel 4*25.78Gbps
- DDM function implemented
- Hot pluggable
- Single +3.3V power supply

Applications

- 100G BASE-SR4 Ethernet
- Infiniband EDR interconnects
- High performance computing interconnect

40G QSFP+ SR4/eSR4



Features

- Links up to 300m using OM3 fiber
- Operating temperature range: 0~70°C
- Power consumption: <1W
- Independently parallel 4 x 10.3125Gbps link
- DDM function implemented
- Hot pluggable
- MPO connector
- Single +3.3V power supply

Applications

- 40G BASE-SR4 Ethernet
- Infiniband QDR interconnects.
- High performance computing interconnect

40G QSFP+ AOC



Features

- Length available up to 100m
- Operating temperature range: 0~70°C
- Power consumption: <1W
- Independently parallel 4 x 10.3125Gbps link
- DDM function implemented
- Hot pluggable
- Single +3.3V power supply

Applications

- 40G BASE-SR4 Ethernet
- Infiniband QDR interconnects
- High performance computing interconnect

Cloud Series

25G SFP28 SR



Features

- Fiber link up to 100m link over OM4 MMF
- 850nm VCSEL and PIN receiver
- SFI electrical interface
- 2-wire interface for integrated Digital Diagnostic monitoring
- Duplex LC connector
- Power consumption: <1W
- Data rate up to 25.78Gbps
- Single +3.3V power supply
- Operating temperature range: 0~70°C

Applications

- 25G BASE-SR Ethernet

25G SFP28 AOC



Features

- Length available up to 100 meters
- 850nm VCSEL and PIN receiver
- SFI electrical interface
- 2-wire interface for integrated Digital Diagnostic monitoring
- Power consumption: <1W
- Data rate up to 25.78Gbps
- Single +3.3V power supply
- Operating temperature range: 0~70°C

Applications

- 25Gigabit Ethernet
- Data Center Networking
- High Performance Computing Interconnects