QSFP28 100G Bidi product family solutions

SKYLANE OPTICS®

Drop-in upgrades from 10G to 100G have been limited to conventional duplex fiber scenarios. Single fiber upgrades of 10G bidirectional links to 100G now have options to upgrade bandwidth on existing fiber infrastructure.

The 100G bidirectional transceivers from Skylane Optics represent a breakthrough in single-mode fiber architectures. Thanks to our extensive selection of QSFP28 100G Bidis we can provide single fiber 100G connectivity for links up to 40km.
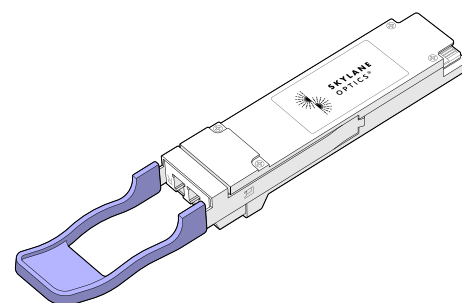
Our latest addition to the family is our QSFP28 ER1 Bidi that leverages existing single-fiber infrastructure to connect 100G at distances of up to 40km.

QSFP28 100G ER1 Bidi

SKU: Q2B94040C00F000
MSA and TAA 100GBase-BX ER1 QSFP28 Transceiver Single Lambda (SMF, 1309.14nmTx/1304.58nmRx, 40km, LC, DOM)
SKU: Q2B49040C00F000
MSA and TAA 100GBase-BX ER1 QSFP28 Transceiver Single Lambda (SMF, 1304.58nmTx/1309.14nmRx, 40km, LC, DOM)
SKU: Q2B94040C00FC73
Juniper Networks® Compatible TAA 100GBase-BX ER1 QSFP28 Transceiver Single Lambda (SMF, 1309.14nmTx/1304.58nmRx, 40km, LC, DOM)
SKU: Q2B49040C00FC73
Juniper Networks® Compatible TAA 100GBase-BX ER1 QSFP28 Transceiver Single Lambda (SMF, 1304.58nmTx/1309.14nmRx, 40km, LC, DOM)
SKU: Q2B94040C00FB7Q
Cisco® Compatible TAA 100GBase-BX ER1 QSFP28 Transceiver Single Lambda (SMF, 1309.14nmTx/1304.58nmRx, 40km, LC, DOM)
SKU: Q2B49040C00FB7Q
Cisco® Compatible TAA 100GBase-BX ER1 QSFP28 Transceiver Single Lambda (SMF, 1304.58nmTx/1309.14nmRx, 40km, LC, DOM)

Features & Benefits

- Single lambda for both transmit and receiver ensuring 100G reach up to 40km.

- Full OEM compatibility with a lifetime warranty.

- Performance over operating temperatures ranging from 0°C to 70°C.

- Avoid long lead times and backorders with our U.S.- & E.U.-based stock and fast shipping.

- U.S. & E.U. originated, coded, and tested optics solve your network challenges without hassle.
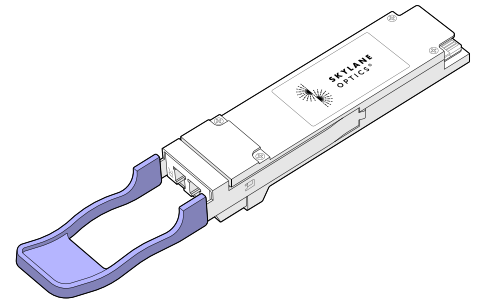
QSFP28 100G LR1 Bidi 20km

SKU: Q2B91020C00F000
MSA and TAA 100GBase-BX LR1 PAM4 QSFP28 Transceiver Single Lambda (SMF, 1291nmTx/1311nmRx, 20km, LC, DOM)
SKU: Q2B19020C00F000
MSA and TAA 100GBase-BX LR1 PAM4 QSFP28 Transceiver Single Lambda (SMF, 1311nmTx/1291nmRx, 20km, LC, DOM)

Features & Benefits

- Single lambda 100G 1291/1311nm & 1311/1291nm Bidi solution with reach up to 20km.

- Standard point-to-point Bidi with upstream 1291nm & downstream 1311nm.

- Performance over operating temperatures ranging from 0°C to 70°C.

- Avoid long lead times and backorders with our U.S.- & E.U.- based stock and fast shipping.

- U.S. & E.U. originated, coded, and tested optics solve your network challenges without hassle.

QSFP28 100G LR1 Bidi ITEMP
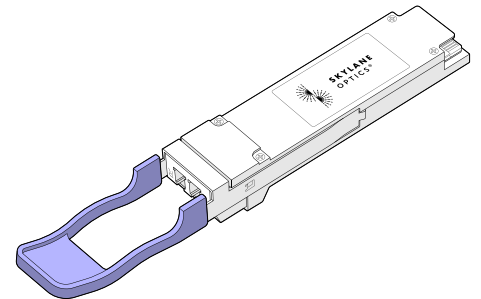
SKU: Q2B32010C02F000
MSA and TAA 100GBase-BX QSFP28 Transceiver Single Lambda (SMF, 1331nmTx/1271nmRx, 10km w/FEC, LC, DOM, -40 to 85C)
SKU: Q2B23010C02F000
MSA and TAA 100GBase-BX QSFP28 Transceiver Single Lambda (SMF, 1271nmTx/1331nmRx, 10km w/FEC, LC, DOM, -40 to 85C)

Features & Benefits

- Single lambda 100G Bidi solution with downstream 1331nm & upstream 1271nm.

- Performance over industrial temperatures ranging from -40°C to +85°C.

- First to market OEM compatible solution for service providers and campus networks.

- Avoid long lead times and backorders with our U.S.- & E.U.- based stock and fast shipping.

- U.S. & E.U. originated, coded, and tested optics solve your network challenges without hassle.
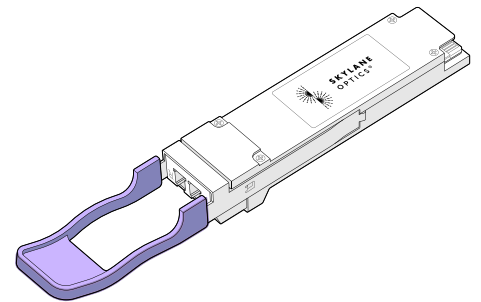
QSFP28 100G LR1 Bidi

SKU: Q2B32010C00F000
MSA and TAA Compliant 100GBase-BX QSFP28 LR1 BiDi Transceiver (SMF, 1331nmTx/1271nmRx, 10km w/host FEC, DOM, 0 to 70C, LC)
SKU: Q2B23010C00F000
MSA and TAA Compliant 100GBase-BX QSFP28 LR1 BiDi Transceiver (SMF, 1271nmTx/1331nmRx, 10km w/host FEC, DOM, 0 to 70C, LC)
SKU: Q2B32010C00FC3L
Juniper Networks® Compatible TAA Compliant 100GBase-BX QSFP28 LR1 BiDi Transceiver (SMF, 1331nmTx/1271nmRx, 10km, DOM, 0 to 70C, LC)
SKU: Q2B23010C00FC3L
Juniper Networks® Compatible TAA Compliant 100GBase-BX QSFP28 LR1 BiDi Transceiver (SMF, 1271nmTx/1331nmRx, 10km, DOM, 0 to 70C, LC)
SKU: Q2B32010C00FAD6
Cisco® Compatible TAA Compliant 100GBase-BX QSFP28 LR1 BiDi Transceiver (SMF, 1331nmTx/1271nmRx, 10km w/host FEC, DOM, 0 to 70C, LC)
SKU: Q2B23010C00FAD6
Cisco® Compatible TAA Compliant 100GBase-BX QSFP28 LR1 BiDi Transceiver (SMF, 1271nmTx/1331nmRx, 10km w/host FEC, DOM, 0 to 70C, LC)

Features & Benefits

- Achieve a 100G data rate over a single fiber.

- Up to 10km reach over a single-mode fiber using one PAM4 to minimize point of failures compared to a 4-lane standard part.

- First to market OEM compatible solution with full compatibility of our switches & routers.

- Avoid lead times and backorders with our U.S.- & E.U.-based stock and fast shipping.

- U.S. & E.U. originated, coded, and tested optics solve your network challenges without hassle.
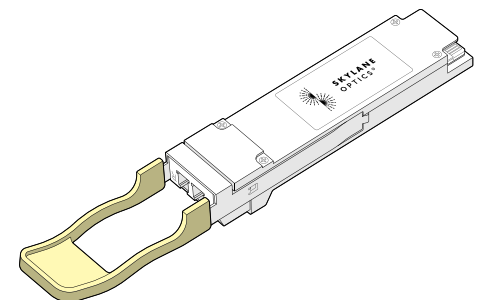
QSFP28 100G CWDM4 Bidi

SKU: Q2BQL002C0TFAD7
Cisco Compatible 100GBase-BX CWDM4 QSFP28 Transceiver (SMF, 1270nm to 1330nm, 2km, LC, DOM)
SKU: Q2BQL002C0TFC3N
Juniper Compatible 100GBase-BX CWDM4 QSFP28 Transceiver (SMF, 1270nm to 1330nm, 2km, LC, DOM)
SKU: Q2BQL002C0TF000
MSA and TAA Compliant 100GBase-BX CWDM4 QSFP28 Transceiver (SMF, 1270nm to 1330nm, 2km, LC, DOM)

Features & Benefits

- CWDM4 Bidi signals from 1270nm to 1330nm (same as standard dual-fiber CWDM4).

- Easily double the number of connections using the same fiber infrastructure.

- 100% in-environment compatibility coded & tested in popular OEM switches & routers.

- Avoid lead times and backorders with our U.S.- & E.U.-based stock and fast shipping.

- U.S. & E.U. originated, coded, and tested optics solve your network challenges without hassle.

Extend fiber connection reach with our
QSFP28 100G Bidi family optics.

Contact Us

About Skylane Optics

Skylane Optics, an Amphenol company, is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box (TCS).

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