

Key Features

- Deployment flexibility with 800G (dual 400G), 400G, 100G, 50G, 40G, 25G, 10G or 1G modules.
- Hot swappable to maximize uptime and simplify serviceability
- Data rates from 1GbE to 25GbE supported using the SFP form factor, for the smallest, and lowest power solutions
- SFP+ Optical interoperability with 10GbE XFP, X2 and XENPAK pluggable form factors
- QSFP+ Universal transceiver for 40G operations over duplex multi-mode and single-mode fiber. Interoperable with IEEE 40GbE LR4 and LRL4 for easier migrations from 10G to 40G and to single mode fiber
- 100G QSFP pluggable transceivers and cables for high density 100G deployments. Optical interoperability with 100GbE CFP, CFP2 and CPAK
- Parallel QSFP transceivers for both multi-mode and single-mode enable flexible 4x25G and 4x10G options for gradual migration from 10G to 40G and 25G to 100G connectivity
- 100G SFP-DD and DSFP cables for cost effective NIC connectivity
- 200G QSFP optics, AOCs and cables for simple upgrade from 100G
- A Broad range of 400GE optics, AOCs and cables, in both OSFP and QSFP-DD form-factors
- 400G-ZR optics, with pluggable line-system for simple, cost effective DCI
- Flexibility of media and interface choice on a port-by-port basis
- Support for tunable 10G and 400G DWDM for DCI and long-haul optical fiber networks

Overview

Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity options over fiber or copper.

To accommodate an increasing spectrum of applications, Arista offers a wide choice of OSFP, QSFP-DD, QSFP, SFP, SFP-DD and DSFP transceivers and cables that comply with industry standards, offering a broad range of connectivity options. Each module is optimized for different media and reach (ranging from 0.5 meters to 80 kilometers).

All interface speeds, from 1G to 400GE have connectivity options that include Direct Attach copper Cables (DACs), Active Optical Cables (AOCs), multi-mode fiber and single-mode fiber transceivers.

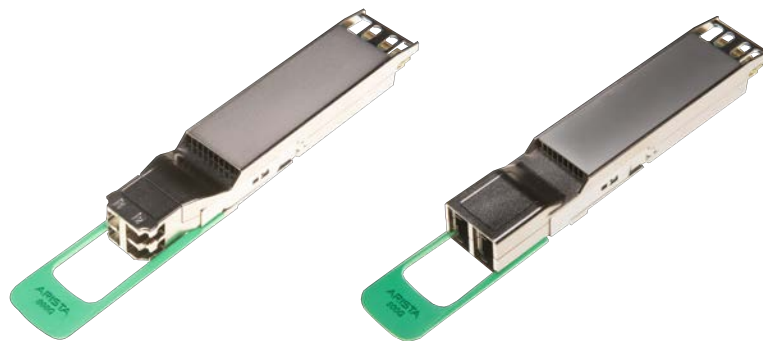


800G OSFP Options

| PHY Type | Reach |
|-----------------------------------|---|
| 800GBASE-CR8 / 2x 400GBASE-CR4 | Twin-ax passive copper cables with link lengths of 1m - 2m. |
| 800GBASE-AOC / 2x 400GBASE-AOC | Active Optical Cable with link lengths of 1m to 30m pre-terminated |
| 2x 400GBASE-XDR4 | Dual 400G optics, up to 2km over parallel single-mode fiber (optical interoperability with 4 x 100GBASE-FR up to 2km) |
| 2x 400GBASE-PLR4 | Dual 400G optics, up to 10km over parallel single-mode fiber (optical interoperability with 4 x 100GBASE-LR up to 10km) |
| 2x 400GBASE-FR4 | Dual 400G optics, up to 2km over single-mode fiber |
| 2x 400GBASE-LR4 | Dual 400G optics, up to 10km over single-mode fiber |

800G QSFP-DD Options

| PHY Type | Reach |
|-----------------------------------|---|
| 800GBASE-CR8 / 2x 400GBASE-CR4 | Twin-ax passive copper cables with link lengths of 1m - 2m. |
| 800GBASE-AOC / 2x 400GBASE-AOC | Active Optical Cable with link lengths of 1m to 30m pre-terminated |
| 2x 400GBASE-XDR4 | Dual 400G optics, up to 2km over parallel single-mode fiber (optical interoperability with 4 x 100GBASE-FR up to 2km) |
| 2x 400GBASE-PLR4 | Dual 400G optics, up to 10km over parallel single-mode fiber (optical interoperability with 4 x 100GBASE-LR up to 10km) |
| 2x 400GBASE-FR4 | Dual 400G optics, up to 2km over single-mode fiber |
| 2x 400GBASE-LR4 | Dual 400G optics, up to 10km over single-mode fiber |



800G (Dual 400G) OSFP and QSFP-DD Optics (OSFP models shown above)

400 Gigabit Ethernet OSFP and QSFP-DD Options

| PHY Type | Reach |
|---|---|
| 400GBASE-CR8 | Twin-ax passive copper cables with link lengths from 1m-3m. Active copper breakout cables with link length up to 5m. |
| 400GBASE-AOC | Active Optical Cable with link lengths of 1m to 30m pre-terminated. Includes 400G QSFP-DD/OSFP to 400G QSFP-DD/OSFP, 400G QSFP-DD/OSFP to 400G QSFP112 and 400G QSFP-DD/OSFP to 2x 200G QSFP56 breakout AOCs. |
| 400GBASE-VSR4 | Up to 50m over parallel multi-mode fiber |
| 400GBASE-SR8 & SR8-C | Up to 100m over parallel OM4 multi-mode fiber |
| 400GBASE-BIDI (400G-SR4.2) / 4x 100GBASE-BIDI / 4x 100GBASE-SR1.2 ¹ | Up to 70m / 100m over parallel OM3 / OM4 MMF. Optical interoperability with 400G-SR4.2, 4x 100GBASE-BIDI (100G-SRBD) and 4x 100GBASE-SR1.2 |
| 400GBASE-DR4 | Up to 500m over parallel single-mode fiber. Optical interoperability with 4 x 100GBASE-DR up to 500m |
| 400GBASE-XDR4 | Up to 2km over parallel single-mode fiber. Optical interoperability with 4 x 100GBASE-FR up to 2km |
| 400GBASE-PLR4 | Up to 10km over parallel single-mode fiber. Optical interoperability with 4 x 100GBASE-LR up to 10km |
| 400GBASE-FR4 | Up to 2km over single-mode fiber |
| 400GBASE-LR4 | Up to 10km over single-mode fiber |
| 400GBASE-ZR ² | Up to 120km over single-mode fiber with optical amplification |

Dual 200GBASE-FR4 OSFP

| PHY Type | Reach |
|---------------|---|
| 400GBASE-2FR4 | Up to 2km over 2 pairs of single-mode fiber. Optical interoperability with 2 x 200GBASE-FR4 up to 2km |

Dual 100GBASE-LR4 OSFP and QSFP-DD Options

| PHY Type | Reach |
|---------------|--|
| 200GBASE-2LR4 | Up to 10km over 2 pairs of single-mode fiber (Optical interoperability with 2x 100GBASE-LR4) |

8x25G-SR-E / 8x 10G-SR Enhanced Performance QSFP-DD Transceiver for Low Latency

| PHY Type | Reach |
|---------------------------------|--|
| 8x 25GBASE-SR-E / 8x 10GBASE-SR | At 25G: Up to 30m / 50m over OM3 / OM4 parallel MMF without FEC (for low latency) or Up to 70m / 100m over OM3 / OM4 parallel MMF with FEC. At 10G: Up to 300m / 400m over OM3 / OM4 parallel MMF without FEC. |

200 Gigabit Ethernet QSFP Options

| PHY Type | Reach |
|--------------|--|
| 200GBASE-CR4 | Twin-ax copper cables with link lengths of 1m, 2m, and 3m |
| 200GBASE-AOC | Active Optical Cable with link lengths of 1m to 30m pre-terminated |
| 200GBASE-SR4 | 200G/100G dual rate, up to 70m/100m over parallel OM3 / OM4 multi-mode fiber |
| 200GBASE-FR4 | Up to 2km over duplex single-mode fiber, 200G/100G dual rate |

- The 400GBASE-BIDI (OSFP-400G-SRBD & QDD-400G-SRBD) transceivers are software configurable for point to point 400GE links (400GBASE-SR4.2), breakout to 4x 100GBASE-BIDI (100G-SRBD) or breakout to 4x 100GBASE-SR1.2 links.
- 400G-ZR modules supported on specific platforms. Refer to Arista's Transceiver and Cable Guide for supported platforms.

100 Gigabit Ethernet QSFP Options

| PHY Type | Reach |
|---------------------------|--|
| 100GBASE-CR4 | Twin-ax copper cables with link lengths of 0.5m, 1m, 1.5m, 2m, 2.5m, 3m and 5m |
| 100GBASE-AOC | Active Optical Cable with link lengths of 1m to 30m pre-terminated |
| 100GBASE-SR4 | Up to 70m over parallel OM3 multi-mode fiber or 100m over parallel OM4 multi-mode fiber |
| 100GBASE-SR4-E | Up to 30m/50m over OM3/OM4 parallel MMF without FEC (for low latency) or 70m/100m over OM3/OM4 parallel MMF with FEC. |
| 100GBASE-XSR4 | Up to 150m over parallel OM3 multi-mode fiber or 300m over parallel OM4 multi-mode fiber |
| 100GBASE-SWDM4 | Up to 70m over duplex OM3 multi-mode fiber or 100m over duplex OM4 multi-mode fiber |
| 100GBASE-BIDI | Up to 70m over duplex OM3 multi-mode fiber or 100m over duplex OM4 multi-mode fiber |
| 100GBASE-PSM4 | Up to 500m over parallel single-mode fiber, 100G/40G Dual rate |
| 100GBASE-PLRL4 | Up to 2km over parallel single-mode fiber, 100G/40G Dual rate |
| 100GBASE-LR4 | Up to 10km over single-mode fiber (optical interoperability with 100GBASE-LRL4 up to 2km) |
| 100GBASE-LRL4 | Up to 2km over single-mode fiber (optical interoperability with 100GBASE-LR4 up to 2km) |
| 100GBASE-CWDM4 | Up to 2km over single-mode fiber, 100G/40G Dual rate |
| 100GBASE-XCWDM4 | Up to 10km over single-mode fiber, 100G/40G Dual rate |
| 100GBASE-ERL4 | Up to 40km over single-mode fiber (optical interoperability with IEEE 100GBASE-ER4 up to 30km) |
| 100GBASE-ZR4 ¹ | Up to 80km over single-mode fiber |
| 100GBASE-DR | Up to 500m over single-mode fiber (optical interoperability with 400GBASE-DR4 / XDR4 / PLR4 up to 500m) |
| 100GBASE-FR | Up to 2km over single-mode fiber (optical interoperability with 400GBASE-DR4 / XDR4 & PLR4 up to 500m / 2km) |
| 100GBASE-LR | Up to 10km over single-mode fiber (optical interoperability with 400GBASE- DR4 / XDR4 / PLR4 up to 500m / 2km / 100km) |
| 100GBASE-ER | Up to 40km over single-mode fiber |

40 Gigabit Ethernet QSFP+ Options

| PHY Type | Reach |
|---------------|--|
| 40GBASE-CR4 | Twin-ax copper cables with link lengths of 0.5m, 1m, 2m, 3m and 5m |
| 40GBASE-AOC | Active Optical Cable with link lengths of 3m to 100m pre-terminated |
| 40GBASE-SR4 | Up to 100m over parallel OM3 multi-mode fiber or 150m over parallel OM4 multi-mode fiber |
| 40GBASE-XSR4 | Up to 300m over parallel OM3 multi-mode fiber or 400m over parallel OM4 multi-mode fiber |
| 40GBASE-BIDI | Up to 100m over duplex OM3 multi-mode fiber or 150m over duplex OM4 multi-mode fiber |
| 40GBASE-UNIV | Up to 150m over duplex OM3/OM4 multi-mode fiber or 500m over duplex single-mode fiber |
| 40GBASE-LR4 | Up to 10km over duplex single-mode fiber (Optical interoperability with 40GBASE-LRL4 up to 1km) |
| 40GBASE-LRL4 | Up to 1km over duplex single-mode fiber (Optical interoperability with 40GBASE-LR4 up to 1km) |
| 40GBASE-PLRL4 | Up to 1km over parallel single-mode fiber (Optical interoperability with 4x10G LR/LRL up to 1km) |
| 40GBASE-PLR4 | Up to 10km over parallel single-mode fiber (Optical interoperability with 4x10G LR up to 10km and LRL up to 1km) |
| 40GBASE-ER4 | Up to 40km over duplex single-mode fiber |

100G SFP-DD and DSFP Options

| PHY Type | Reach |
|--------------|--|
| 100GBASE-CR2 | Twin-ax copper cables with link lengths of 1m, 2m, 3m. |

1. QSFP-100G-ZR4 supported on specific platforms. Refer to Arista's Transceiver and Cable Guide for supported platforms.

50G SFP Options

| PHY Type | Reach |
|------------|---|
| 50GBASE-CR | Twin-ax copper cables with link lengths of 1m, 2m, 3m. Can be used in 50G SFP and 100G SFP-DD / DSFP ports. |

25 Gigabit Ethernet SFP Options

| PHY Type | Reach |
|-----------------------------|--|
| 25GBASE-CR | Twin-ax copper cables with link lengths of 1m, 2m, 3m and 5m |
| 25GBASE-AOC | Active Optical Cable with link lengths of 3m, 5m, 7m, 10m, 15m, 20m, 25m and 30m |
| 25GBASE-SR | Up to 70m/100m over OM3/OM4 duplex multimode fiber |
| 25GBASE-MR-SR | Dual rate (25G/10G), up to 70m/100m over OM3/OM4 MMF at 25G and 300m/400m over OM3/OM4 MMF at 10G. Interoperates with 10G-SR when operated at 10G. |
| 25GBASE-MR-XSR ¹ | Dual rate (25G/10G), extended reach, up to 200m/300m over OM3/OM4 MMF at 25G & 300m/400m over OM3/OM4 at 10G. |
| 25GBASE-SR-E | Up to 30m/50m over duplex OM3/OM4 MMF without FEC (for low latency), or 70m/100m over OM3/OM4 MMF with FEC |
| 25GBASE-LR | Up to 10km over duplex single-mode fiber |
| 25GBASE-MR-LR ¹ | Dual rate (25G/10G) up to 10km over duplex single-mode fiber |
| 25GBASE-LR-E | Up to 2km over over duplex SMF without FEC (for low latency), or up to 10km over duplex SMF with FEC |
| 25GBASE-ER ³ | Up to 40km over duplex single-mode fiber |

10 Gigabit Ethernet SFP+ Options

| PHY Type | Reach |
|----------------------------|---|
| 10GBASE-T ² | Up to 30m link length over Category 6a copper cables |
| 10GBASE-MRA-T ² | Up to 30m link length over Category 6a copper cables (rate adapting transceiver) |
| 10GBASE-CR | Twin-ax copper cables with link lengths of 0.5m, 1m, 1.5m, 2m, 2.5m, 3m and 5m |
| 10GBASE-AOC | Active Optical Cable with link lengths of 3m, 5m, 7m, 10m, 15m, 20m, 25m and 30m |
| 10GBASE-SR | Up to 300m link length with 2000 MHz*km duplex MMF (OM3). Optical interoperability with 10GBASE-SRL |
| 10GBASE-SRL | Up to 100m link length with 2000 MHz*km duplex MMF (OM3). Optical interoperability with 10GBASE-SR |
| 10GBASE-LR | Up to 10km link length over duplex single-mode fiber. Optical interoperability with 10GBASE-LRL |
| 10GBASE-LRL | Up to 1km link length over duplex single-mode fiber. Optical interoperability with 10GBASE-LR |
| 10GBASE-ER | Up to 40km link length over duplex single-mode fiber |
| 10GBASE-ERLBD | Up to 30km link length over a single strand of single-mode fiber |
| 10GBASE-ERBD ³ | Up to 40km link length over a single strand of single-mode fiber |
| 10GBASE-ZR | Up to 80km link length over duplex single-mode fiber |
| 10GBASE-DWDM ³ | Up to 80km link length DWDM over duplex single-mode fiber |

Gigabit and 100M Ethernet SFP Options

| PHY Type | Reach |
|-------------|--|
| 1000BASE-SX | Up to 550m link length with 500 MHz km MMF (OM2). Rate adapting option available (SFP-10G-RA-1G-SX) ² |
| 1000BASE-LX | Up to 10km link length over duplex SMF and up to 550m on MMF ⁴ . Rate adapting option available (SFP-10G-RA-1G-LX) ² |
| 1000BASE-T | Up to 100m link length over Category 5 copper cables, supporting both 100 Megabit and 1 Gigabit Ethernet |
| 100BASE-FX | Up to 2km link length over MMF, with SGMII Electrical interface |

1. May require attenuation when connecting to 10G-LR / SR optics. Refer to the relevant 10G-LR / SR optical specifications for requirements.
2. Supported on specific platforms. Refer to Arista's Transceiver and Cable Guide for supported platforms.
3. Proper optical attenuation is required for shorter links to protect the receiver from permanent damage.
4. When 1000BASE-LX is used with FDDI grade OM1 or OM2 multi-mode fiber, a mode conditioning patch cord must be used at the transmitter to ensure specifications are met. Mode conditioning patch cord is not required for OM3 fiber.

Physical Characteristics (HxWxD)

- SFP: 8.55 x 13.7 x 56.5mm
- QSFP: 13.5 x 18.4 x 72.4mm
- QSFP-DD, Type 1: 13.5 x 18.4 x 78.3mm
- QSFP-DD, Type 2: 13.5 x 18.4 x 93.3mm
- OSFP: 13.0 x 22.6 x 100.4mm

Environmental Characteristics

- Operating case temperature: 0 to 70C
- Storage Temperature: -40 to 70C
- Relative Humidity: 5 to 95%
- Operating Altitude: 0-10,000 ft

Power Requirements (Maximum)

- SFP/SFP+ (except 10G ER, ZR, DWDM, BASE-T and 25G SR, XSR, LR): 1 W
- SFP-10G-T-RP, SFP-1G-T, & SFP-100M-FX: 1.5W
- 40G QSFP+ AOC, 40GBASE-SR4, XSR4; SFP+ ERLBD, ERBD, ER, ZR, DWDM and 25G SR, MR-SR MR-XSR, LR, MR-LR: 1.5 W
- SFP-10G-T, SFP-10G-RA-1G-SX, SFP-10G-RA-1G-LX, SFP-25G-ER: 2W
- SFP-10G-MRA-T: 2.5W
- 40G QSFP+ AOC, BIDI, UNIV, LRL4, LR4, PLR4, PLRL4 and ER4: 3.5 W
- 100G QSFP AOC, SR4, XSR4, SWDM4, BIDI, PSM4, CWDM4, XCWDM4: 3.5W
- 100G QSFP LRL4: 4.0W
- 100G QSFP LR4, ERL4, DR, FR, LR, ER: 4.5W
- 200G QSFP SR4: 4.5W
- 100G QSFP ZR4: 5.5W
- 200G QSFP FR4: 6.5W
- QDD-200G-2LR4 & OSFP-200G-2LR4 modules: 8W
- 400G OSFP & QSFP-DD AOC, VSR4, SR8, BIDI, DR4, XDR4, PLR4, FR4, LR4 2FR4: 12W
- 400G OSFP/QSFP-DD to QSFP112 AOC: OSFP/QSFP-DD: 12W, QSFP112: 8W
- 400G OSFP/QSFP-DD to 2x QSFP56 AOC: OSFP/QSFP-DD: 12W, QSFP56: 4.5W
- 400G OSFP & QSFP-DD LR8: 14W
- 400G OSFP & QSFP-DD to 4x QSFP100 breakout Active Copper Cables: OSFP/QSFP-DD: 10W, QSFP: 4W
- 800G OSFP & QSFP-DD AOC, 2XDR4, 2PLR4, 2FR4, 2LR4: 16W

Gigabit and 100M Ethernet SFP Specifications

| PHY Type | Connector Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|-------------|----------------|------------------|------------------|----------------|--------------------------|----------------|----------------|-----------|
| 1000BASE-SX | LC | 850 | MMF | 62.5 | 160 | -9.5 to -4.0 | -17 to 0.0 | 220m |
| | | | | 62.5 | 200 | | | 275m |
| | | | | 50.0 | 400 | | | 500m |
| | | | | 50.0 | 500 | | | 550m |
| 1000BASE-LX | LC | 1310 | MMF ¹ | 62.5 | 500 | -9.5 to -3.0 | -19 to -3.0 | 550m |
| | | | | 50.0 | 400 | | | 550m |
| | | | SMF | G.652 | - | | | 10km |
| | | | | - | - | | | - |
| 1000BASE-T | RJ-45 | - | Cat5 (UTP) | - | - | - | - | 100m |
| 100BASE-FX | LC | 1310 | MMF | 62.5 | 200 | -20 to -14 | -8 to -31 | 550m |
| | | | | 50 | 500 | | | 2km |

10 Gigabit Ethernet Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|-------------|-------------------|-----------------|---------------|------------|
| 10GBASE-CR | SFP+ (Both ends) | - | Twinax Copper | 0.5m to 5m |
| 10GBASE-CR | QSFP+ to 4 x SFP+ | - | Twinax Copper | 0.5m to 5m |
| 10GBASE-AOC | SFP+ (Both ends) | 850nm | MMF | 3m to 30m |

10 Gigabit Ethernet SFP/SFP+ Specifications

| PHY Type | Conn. Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|-------------------------------|------------|--------------------|------------|----------------|--------------------------|----------------|----------------|-------------------|
| 10GBASE-T | RJ-45 | - | Cat6a | - | - | - | - | 30m |
| 10GBASE-MRA-T | RJ-45 | - | Cat6a | - | - | - | - | 30m |
| 10GBASE-SR | LC | 850 | MMF | 62.5 | 200 | -7.3 to -1.0 | -9.9 to -1.0 | 33m |
| | | | | 50.0 | 400 | | | 66m |
| | | | | 50.0 | 500 | | | 82m |
| | | | | 50.0 | 2000 (OM3) | | | 300m |
| 10GBASE-SRL | LC | 850 | MMF | 50.0 | 4700 (OM4) | -8.0 to -1.0 | -9.9 to -1.0 | 400m |
| | | | | 62.5 | 200 | | | 11m |
| | | | | 50.0 | 400 | | | 22m |
| | | | | 50.0 | 500 | | | 27m |
| 10GBASE-SRL | LC | 850 | MMF | 50.0 | 2000 (OM3) | -8.0 to -1.0 | -9.9 to -1.0 | 100m |
| | | | | 50.0 | 4700 (OM4) | | | 150m |
| 10GBASE-LRL | LC | 1310 | SMF | G.652 | - | -8.2 to 0.5 | -12.5 to 0.5 | 1km |
| 10GBASE-LR | LC | 1310 | SMF | G.652 | - | -8.2 to 0.5 | -14.4 to 0.5 | 10km |
| 10GBASE-ERLBD-U/D | LC | 1270 / 1330 | SMF | G.652 | - | 0 to 5.0 | 0 to -15 | 30km |
| 10GBASE-ERBD-U/D ² | LC | 1270 / 1330 | SMF | G.652 | - | 0 to 5.0 | -9 to -21 | 40km ³ |
| 10GBASE-ER ² | LC | 1550 | SMF | G.652 | - | -4.7 to 4.0 | -15.0 to -1.0 | 40km ³ |
| 10GBASE-ZR ² | LC | 1550 | SMF | G.652 | - | -1.0 to 4.0 | -23.0 to -7.0 | 80km ³ |
| 10GBASE-DWDM ² | LC | 1567.95 to 1529.94 | SMF | G.652 | - | -1.0 to 3.0 | -23.0 to -7.0 | 80km ³ |

1. When 1000BASE-LX is used with OM1 or OM2 MMF a mode conditioning patch cable is required at the transmitter. This cable is not required for OM3 fiber.
2. Proper optical attenuation is required for shorter links to protect the receiver from permanent damage
3. Per IEEE 802.3ae - Links beyond 30 km over single-mode fiber are considered engineered links

IEEE Compliance

- 802.3 IEEE Ethernet

MSA & Standards Compliance

- GR-20-CORE
- GR-326-CORE
- GR-1435-CORE
- QSFP+/QSFP28: SFF-8449 and 8636
- SFP+: SFF-8431, 8461 and 8472
- 100G CWDM4 MSA
- 100G PSM4 MSA
- 100G SWDM4 Alliance
- 100G Lambda MSA
- OSFP MSA
- QSFP-DD MSA

- As per IEEE spec's, min cabling distance for LR, SR, SX, LX, FR1, DR1 modules is 2m



SFP-25G-MR-LR



SFP-25G-MR-XSR

25 Gigabit Ethernet SFP25 Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|-------------|----------------------|-----------------|---------------|-----------|
| 25GBASE-CR | SFP (Both ends) | - | Twinax Copper | 1m to 5m |
| 25GBASE-CR | QSFP100 to 4 x SFP25 | - | Twinax Copper | 1m to 5m |
| 25GBASE-AOC | SFP (Both ends) | 850nm | MMF | 3m to 30m |

25 Gigabit Ethernet SFP25 Optical Specifications

| PHY Type | Conn Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|-----------------------------|-----------|------------------|------------|----------------|--------------------------|---|---|--|
| 25GBASE-SR | LC | 850 | MMF | 50.0 | 2000 (OM3) 4700 (OM4) | -8.4 to 2.4 | -10.3 to 2.4 | 70m/100m |
| 25GBASE-MR-SR | | | | | | -8.4 to 2.4 @ 25G -7.3 to -0.5 @ 10G | -10.3 to 2.4 @ 25G -9.9 to 2.4 @ 10G | 70m/100m @ 25G 300m/400m @ 10G |
| 25GBASE-MR-XSR ¹ | | | | | | -6 to 2.4 | -10.3 to 2.4 | 200m/300m @ 25G 300m/400m @ 10G |
| 25GBASE-SR-E | | | | | | -4.5 to 2.4 | -5.9 to 2.4 w/o FEC, or -10.3 to 2.4 w FEC | 30m / 50m w/o FEC, or 70m/100m w FEC |
| 25GBASE-LR | LC | 1310 | SMF | G.65 2 | - | -7 to 2.0 | -13.3 to 2.0 | 10km |
| 25GBASE-MR-LR ¹ | | | | | | -7 to 2.0 | -13.3 to 2.0 | 10km |
| 25GBASE-LR-E | | | | | | -4 to 2.0 | -7.2 to 2.0 w/o FEC, or -13.3 to 2.0 w FEC | 2km w/o FEC, or 10km with FEC |
| 25GBASE-ER ² | | | | | | -3 to 6 | -21 to -4 | 40km |

1. When connecting 25G-MR-XSR/LR optics to legacy fixed rate 10G optics, attenuation may be required to ensure the optical input power to the 10G optical module is within allowable limits.
2. Proper optical attenuation is required for shorter links to protect the receiver from permanent damage

50G Gigabit Ethernet SFP50 Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|------------|-----------------|-----------------|---------------|-----------|
| 50GBASE-CR | SFP (Both ends) | - | Twinax Copper | 1m to 3m |

100G Gigabit SFP-DD & DSFP Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|-------------------------------|------------------|-----------------|---------------|-----------|
| 100GBASE-CR2 | SFP-DD to SFP-DD | - | Twinax Copper | 1m to 3m |
| | SFP-DD to QSFP | | | |
| | DSFP to DSFP | | | |
| | DSFP to QSFP | | | |
| 100GBASE-CR2 to 2x 50GBASE-CR | SFP-DD to 2x SFP | - | Twinax Copper | 1m to 3m |
| | DSFP to 2x SFP | | | |



100GBASE-CR2: SFP-DD to QSFP

40 Gigabit Ethernet QSFP+ Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|-------------|------------------|-----------------|---------------|------------|
| 40GBASE-CR4 | QSFP+ to QSFP+ | - | Twinax Copper | 0.5m to 5m |
| 10GBASE-CR | QSFP+ to 4 x SFP | - | Twinax Copper | 0.5m to 5m |
| 40GBASE-AOC | QSFP+ to QSFP+ | 850 | MMF | 3m to 100m |



40GBASE-UNIV QSFP+

40 Gigabit Ethernet QSFP+ Optical Specifications

| PHY Type | Connector Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|---------------|----------------|------------------------------|------------|----------------|--------------------------|--------------------|---------------------|--------------|
| 40GBASE-SR4 | MPO-12 UPC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -7.6 to +2.4 /lane | -9.5 to +2.4 /lane | 100m 150m |
| 40GBASE-XSR4 | MPO-12 UPC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -7.5 to +1 /lane | -9.9 to +2.4 /lane | 300m 400m |
| 40GBASE-BIDI | LC | 850 900 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -4 to +5 /lane | -6 to +5 /lane | 100m 150m |
| 40GBASE-UNIV | LC | 1271 1291 1311 1331 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -7 to +4.3 /lane | -10 to +4.3 /lane | 150m 150m |
| | | | SMF | G.652 | - | -10 to +2.3 /lane | -13.7 to +2.3 /lane | 500m |
| 40GBASE-LR4 | LC | 1271 1291 1311 1331 | SMF | G.652 | - | -7 to +2.3 /lane | -13.7 to +2.3 /lane | 10km |
| 40GBASE-LRL4 | LC | | SMF | G.652 | - | -7 to +2.3 /lane | -11.5 to +2.3 /lane | 1km |
| 40GBASE-ER4* | LC | | SMF | G.652 | - | -2.7 to +3.8 /lane | -21.2 to -4.5 /lane | 40km** |
| 40GBASE-PLRL4 | MPO-12 APC | 1310 | SMF | G.652 | - | -8.2 to +0.5 /lane | -12.5 to +0.5 /lane | 1km |
| 40GBASE-PLR4 | MPO-12 APC | 1310 | SMF | G.652 | - | -8.2 to +0.5 /lane | -14.4 to +0.5 /lane | 10km |



40GBASE-LR4 QSFP+



10GBASE-CR: QSFP+ to 4 x SFP+

* Proper optical attenuation is required for shorter links to protect the receiver from permanent damage

** Per IEEE 802.3 - Links beyond 30 km over single-mode fiber are considered engineered links

100 Gigabit Ethernet QSFP Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|--------------|-----------------|-----------------|---------------|-------------|
| 100GBASE-CR4 | QSFP to QSFP | - | Twinax Copper | 1, 2, 3, 5m |
| 50GBASE-CR2 | QSFP to 2x QSFP | - | Twinax Copper | 1, 2, 3, 5m |
| 25GBASE-CR | QSFP to 4 x SFP | - | Twinax Copper | 1, 2, 3m |
| 100GBASE-AOC | QSFP to QSFP | 850 | MMF | 1m to 30m |



40GBASE-AOC Cable

100 Gigabit Ethernet QSFP Optical Specifications



100GBASE-LR4 QSFP



100GBASE-PSM4 QSFP

| PHY Type | Connector Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|-----------------|----------------|--|------------|----------------|--------------------------|---------------------|--|------------------------------------|
| 100GBASE-SR4 | MPO-12 UPC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -8.4 to +2.4 / lane | -10.3 to +2.4 /lane | 70m 100m |
| 100GBASE-SR4-E | MPO-12 UPC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -4.5 to 2.4 / lane | -5.9 to +2.4 w/o FEC, or -10.3 to | 30m/50m w/o FEC, or 70m/100m w FEC |
| 100GBASE-XSR4 | MPO-12 UPC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -8.3 to +2.4 / lane | -10.3 to +2.4 /lane | 150m 300m |
| 100GBASE-SWDM4 | LC | 850 880 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700(OM4) | -7.5 to +3.4 / lane | -9.3 to +3.4 / lane | 70m 100m |
| 100GBASE-BIDI | LC | 855 908 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -6 to + 4 / lane | -7.9 to +4 /lane | 70m 100m |
| 100GBASE-CWDM4 | LC | 1271 1291 | SMF | G.652 | - | -6.5 to +2.5 / lane | -11.5 to +2.5 / lane | 2km |
| 100GBASE-XCWDM4 | LC | 1311 1331 | SMF | G.652 | - | -6.5 to +2.5 / lane | -13 to +2.5 / lane | 10km |
| 100GBASE-PSM4 | MPO-12 APC | 1310 | SMF | G.652 | - | -9.4 to +2.0 / lane | -12.6 to +2.0 / lane | 500m |
| 100GBASE-PLRL4 | MPO-12 APC | 1310 | SMF | G.652 | - | -5.5 to +1.5 / lane | -12.6 to +2.0 / lane | 2km |
| 100GBASE-LR4 | LC | 1295.56 1300.05 1304.58 1309.14 | SMF | G.652 | - | -4.3 to +4.5 /lane | -10.6 to +4.5 /lane | 10km |
| 100GBASE-LRL4 | LC | | SMF | G.652 | - | -6.0 to +4.5 / lane | -10.0 to +4.5 / lane | 2km |
| 100GBASE-ERL4* | LC | | SMF | G.652 | - | -2.9 to +4.5 / lane | -16.9 to -4.9 / lane -20.9 to -4.9 / lane | 30km without FEC 40km with FEC |
| 100GBASE-ZR4* | LC | | SMF | G.652 | - | +2 to +7 / lane | -5.0 to -28.0 / lane | 80km |
| 100GBASE-DR | LC | 1310 | SMF | G.652 | - | -2.9 to +4.0 | -5.9 to +4.0 | 500m |
| 100GBASE-FR | LC | 1310 | SMF | G.652 | - | -2.4 to +4.0 | -6.4 to +4.5 | 2km |
| 100GBASE-LR | LC | 1310 | SMF | G.652 | - | -1.4 to +4.0 | -7.7 to +4.5 | 10km |
| 100GBASE-ER* | LC | 1310 | SMF | G.652 | - | +1.7 to + 7.1 | -16 to -3.4 | 40km |

* Optical attenuation is required for shorter links to protect the receiver from permanent damage

200 Gigabit Ethernet QSFP Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|--------------|------------------|-----------------|---------------|-----------|
| 200GBASE-CR4 | QSFP to QSFP | - | Twinax Copper | 1, 2, 3m |
| 100GBASE-CR2 | QSFP to 2 x QSFP | - | Twinax Copper | 1, 2, 3m |
| 50GBASE-CR | QSFP to 4x SFP | - | Twinax Copper | 1, 2, 3m |

100GBASE-CR4

200 Gigabit Ethernet QSFP Optical Specifications

| PHY Type | Connector Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|--------------|----------------|---------------------------|------------|----------------|--------------------------|---------------------|---------------------|-------------|
| 200GBASE-SR4 | MPO-12 UPC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -6.5 to +4.0 / lane | -8.4 to +4.0 / lane | 70m 100m |
| 200GBASE-FR4 | LC | 1271, 1291, 1311, 1331 | SMF | G.652 | - | -4.2 to 4.7 / lane | -8.2 to 4.7 / lane | 2km |

QSFP100 to 4 x SFP+

8x 25 Gigabit Ethernet / 8x 10 Gigabit Ethernet QSFP-DD Optical Specifications

| PHY Type | Connector Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|--------------------------------|----------------|------------------|------------|----------------|--------------------------|--|--|---|
| 8x 25GBASE-SR-E /8x 10GBASE-SR | MPO-16 APC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -4.5 to 2.4 @ 25G, -6.8 to -0.5 @ 10G | -5.9 to 2.4 w/o FEC @25G, or -10.3 to 2.4 w FEC @25G, or -9.9 to -0.5 @10G | 30m/50m w/o FEC @ 25G, or 70m/100m w FEC @ 25G, or 300m/400m @10G |

400 Gigabit Ethernet Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|----------------------------------|---|-----------------|---------------------|---------------|
| 400GBASE-CR8 | OSFP to OSFP | - | Twinax Copper | 1, 2, 3m |
| | QSFP-DD to QSFP-DD | - | Twinax Copper | 1, 2, 2.5, 3m |
| 400GBASE-CR8 to 2x 200GBASE-CR4 | OSFP to 2x QSFP | - | Twinax Copper | 1, 2, 3m |
| | QSFP-DD to 2x QSFP | - | Twinax Copper | 1, 2, 2.5m |
| 200GBASE-CR8 to 2x 100GBASE-CR4* | OSFP to 2x QSFP | - | Twinax Copper | 1, 2, 3m |
| | QSFP-DD to 2x QSFP | - | Twinax Copper | 1, 2, 2.5m |
| 400GBASE-CR8 to 4x 100GBASE-CR2 | OSFP to 4x QSFP | - | Twinax Copper | 1, 2, 3m |
| | QSFP-DD to 4x QSFP | - | Twinax Copper | 1, 2, 2.5m |
| 400GBASE-CR8 to 4x 100GBASE-CR4 | OSFP to 4x QSFP | - | Active Copper Cable | 1, 2, 3, 5m |
| | QSFP-DD to 4x QSFP | - | Active Copper Cable | 1, 2, 3, 5m |
| 200GBASE-CR8 to 4x 50GBASE-CR2* | OSFP to 4x QSFP | - | Twinax Copper | 1, 2, 3m |
| | QSFP-DD to 4x QSFP | - | Twinax Copper | 1, 2, 2.5m |
| 400GBASE-CR8 to 8x 50GBASE-CR | OSFP to 8x SFP | - | Twinax Copper | 1, 2, 3m |
| | QSFP-DD to 8x SFP | - | Twinax Copper | 1, 2, 2.5m |
| 200GBASE-CR8 to 8x 25GBASE-CR* | OSFP to 8x SFP | - | Twinax Copper | 1, 2, 3m |
| | QSFP-DD to 8x SFP | - | Twinax Copper | 1, 2, 2.5m |
| 400GBASE-AOC | OSFP/QSFP-DD to OSFP/QSFP-DD, OSFP/QSFP-DD to 400G QSFP112, or OSFP-QSFP-DD to 2x 200G QSFP56 | 850 | MMF | 1m to 30m |



400GBASE-DR4 OSFP



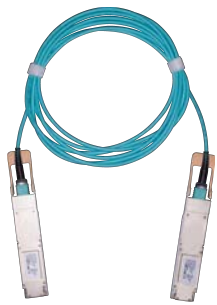
400GBASE-SR8 OSFP



400GBASE-2FR4 OSFP

400 Gigabit Ethernet Optical Specifications

| PHY Type | Connector Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|---------------------------------|----------------|---|------------|----------------|--------------------------|--------------------|--------------------|-------------|
| 400GBASE-VSR4 | MPO-12 APC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | +4.0 to -4.6 /lane | +4.0 to -6.3 /lane | 30m 50m |
| 400GBASE-SR8 & SR8-C | MPO-16 APC | 850 | OM3 OM4 | 50.0 50.0 | 2000 (OM3) 4700 (OM4) | -6.5 to +4.0 /lane | -8.4 to +4.0 /lane | 70m 100m |
| 400GBASE-BIDI (400G-BASE SR4.2) | MPO-12 UPC | 855 | OM3 | 50.0 | 2000 (OM3) | -6 to +4 /lane | -7.9 to +4 /lane | 70m |
| | | 908 | OM4 | 50.0 | 4700 (OM4) | -6 to +4 /lane | -7.9 to +4 /lane | 100m |
| 400GBASE-FR4 | LC | 1271, 1291 1311, 1331 | SMF | G.652 | - | -3.3 to +3.5 /lane | -7.3 to +3.5 /lane | 2km |
| 400GBASE-LR4 | LC | 1271, 1291 1311, 1331 | SMF | G.652 | - | -2.7 to +5.1 /lane | -9 to 5.1 /lane | 10km |
| 400GBASE-LR8 | LC | 1274, 1278, 1282, 1287, 1296, 1300, 1305, 1309 | SMF | G.652 | - | -2.8 to +5.3 /lane | -9.1 to +5.3 /lane | 10km |
| 400GBASE-2FR4 | CS | 1271, 1291 1311, 1331 | SMF | G.652 | - | -4.2 to 4.7 /lane | -8.2 to 4.7 /lane | 2km |
| 400GBASE-DR4 | MPO-12 APC | 1310 | SMF | G.652 | - | -2.9 to +4.0 /lane | -5.9 to +4.0 /lane | 500m |
| 400GBASE-XDR4 | MPO-12 APC | 1310 | SMF | G.652 | - | -2.4 to +4.0 /lane | -6.4 to +4.5 /lane | 2km |
| 400GBASE-PLR4 | MPO-12 APC | 1310 | SMF | G.652 | - | -1.4 to +4.0 /lane | -7.7 to +4.5 /lane | 10km |
| 400GBASE-ZR** | LC | 1528.77 to 1566.52 | SMF | G.652 | - | >-10 | -16 to 0 | 120km |



400GBASE-AOC OSFP



400GBASE-CR8 OSFP

* Requires the OSFP/QSFP-DD port to be configured for 200G using 8 x 25G NRZ electrical lanes. Allows interop with legacy 100G QSFP and 25G SFP ports.

** Refer to 400ZR DCI Solution Datasheet for more details

800G Cable Specifications

| PHY Type | Connector Type | Wavelength (nm) | Cable Type | Max Reach |
|-----------------------------------|--------------------|-----------------|---------------|-----------|
| 800GBASE-CR8 / 2x 400GBASE-CR8 | OSFP to OSFP | - | Twinax Copper | 1, 2m |
| | QSFP-DD to QSFP-DD | - | Twinax Copper | 1, 2m |
| 800GBASE-AOC / 2x 400GBASE-AOC | OSFP to OSFP | - | - | 1m to 30m |
| | QSFP-DD to QSFP-DD | | | |



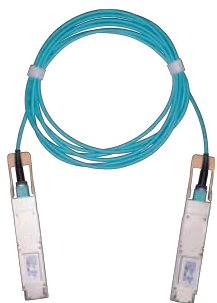
800GBASE-2FR4 OSFP

800G Optical Specifications

| PHY Type | Connector Type | Wave-length (nm) | Cable Type | Core Size (um) | Modal Bandwidth (MHz*Km) | Tx power (dBm) | Rx power (dBm) | Max Reach |
|---------------------------------------|------------------|--------------------------|------------|----------------|--------------------------|-----------------------|------------------------|-----------|
| 800GBASE-2FR4 (2x 400GBASE-FR4) | 2x LC | 1271, 1291 1311, 1331 | SMF | G.652 | - | -3.3 to +3.5 /lane | -7.3 to +3.5 / lane | 2km |
| 800GBASE-2LR4 2x 400GBASE-LR4 | 2x LC | 1271, 1291 1311, 1331 | SMF | G.652 | - | -2.7 to +5.1 /lane | -9 to 5.1 /lane | 10km |
| 800GBASE-2XDR4 (2x 400GBASE-2XDR4) | 2x MPO-12 APC | 1310 | SMF | G.652 | - | -2.4 to +4.0 /lane | -6.4 to +4.5 /lane | 2km |
| 800GBASE-PLR4 (2x 400GBASE-2PLR4) | 2x MPO-12 APC | 1310 | SMF | G.652 | - | -1.4 to +4.0 /lane | -7.7 to +4.5 /lane | 10km |



800GBASE-2XDR4 OSFP



800GBASE-AOC OSFP



800GBASE-CR8 OSFP

| Product Number | Product Description |
|----------------|---------------------|
|----------------|---------------------|

800G OSFP Twinax Copper Cables

| | |
|----------------|---|
| C-O800-O800-1M | 800GBASE-CR8 (2x 400GBASE-CR4) OSFP to OSFP Twinax Copper Cable 1 meter |
|----------------|---|

| | |
|----------------|---|
| C-O800-O800-2M | 800GBASE-CR8 (2x 400GBASE-CR4) OSFP to OSFP Twinax Copper Cable 2 meter |
|----------------|---|

800G OSFP Active Optical Cables

| | |
|----------------|--|
| A-O800-O800-1M | 800G OSFP to OSFP Active Optical Cable, 1m |
|----------------|--|

| | |
|----------------|--|
| A-O800-O800-3M | 800G OSFP to OSFP Active Optical Cable, 3m |
|----------------|--|

| | |
|----------------|--|
| A-O800-O800-5M | 800G OSFP to OSFP Active Optical Cable, 5m |
|----------------|--|

| | |
|----------------|--|
| A-O800-O800-7M | 800G OSFP to OSFP Active Optical Cable, 7m |
|----------------|--|

| | |
|-----------------|---|
| A-O800-O800-10M | 800G OSFP to OSFP Active Optical Cable, 10m |
|-----------------|---|

| | |
|-----------------|---|
| A-O800-O800-15M | 800G OSFP to OSFP Active Optical Cable, 15m |
|-----------------|---|

| | |
|-----------------|---|
| A-O800-O800-20M | 800G OSFP to OSFP Active Optical Cable, 20m |
|-----------------|---|

| | |
|-----------------|---|
| A-O800-O800-25M | 800G OSFP to OSFP Active Optical Cable, 25m |
|-----------------|---|

| | |
|-----------------|---|
| A-O800-O800-30M | 800G OSFP to OSFP Active Optical Cable, 30m |
|-----------------|---|

800G OSFP Optics

| | |
|-----------------|--|
| OSFP-800G-2XDR4 | 8x 100GBASE-FR (or 2x 400G-XDR4) OSFP Transceiver, 2x MPO-12 APC connectors, up to 2km over parallel SMF |
|-----------------|--|

| | |
|-----------------|--|
| OSFP-800G-2PLR4 | 8x 100GBASE-LR (or 2x 400G-PLR4) OSFP Transceiver, 2x MPO-12 APC connectors up to 10km over parallel SMF |
|-----------------|--|

| | |
|----------------|--|
| OSFP-800G-2FR4 | 2x 400GBASE-FR4 OSFP Transceiver, 2x duplex LC connectors, up to 2km over duplex SMF |
|----------------|--|

| | |
|----------------|---|
| OSFP-800G-2LR4 | 2x 400GBASE-LR4 OSFP Transceiver, 2x duplex LC connectors, up to 10km over duplex SMF |
|----------------|---|

| Product Number | Product Description |
|---|--|
| 800G QSFP-DD Twinax Copper Cables | |
| C-D800-D800-1M | 800GBASE-CR8 QSFP-DD to QSFP-DD Twinax Copper Cable 1 meter |
| C-D800-D800-2M | 800GBASE-CR8 QSFP-DD to QSFP-DD Twinax Copper Cable 2 meter |
| 800G QSFP-DD Active Optical Cables | |
| A-D800-D800-1M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 1m |
| A-D800-D800-3M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 3m |
| A-D800-D800-5M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 5m |
| A-D800-D800-7M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 7m |
| A-D800-D800-10M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 10m |
| A-D800-D800-15M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 15m |
| A-D800-D800-20M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 20m |
| A-D800-D800-25M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 25m |
| A-D800-D800-30M | 800G QSFP-DD to QSFP-DD Active Optical Cable, 30m |
| 800G Ethernet QSFP-DD Optics | |
| QDD-800G-2XDR4 | 8x 100GBASE-FR (or 2x 400G-XDR4) QSFP-DD Transceiver, 2x MPO-12 APC connectors, up to 2km over parallel SMF |
| QDD-800G-2PLR4 | 8x 100GBASE-LR (or 2x 800G-PLR4) QSFP-DD Transceiver, 2x MPO-12 APC connectors, up to 10km over parallel SMF |
| QDD-800G-2FR4 | 2x 400GBASE-FR4 QSFP-DD Transceiver, 2x duplex LC connectors, up to 2km over duplex SMF |
| QDD-800G-2LR4 | 2x 400GBASE-LR4 QSFP-DD Transceiver, 2x duplex LC connectors, up to 10km over duplex SMF |

| Product Number | Product Description |
|---|--|
| 400 Gigabit Ethernet OSFP Twinax Copper Cables | |
| CAB-O-O-400G-1M | 400GBASE-CR8 OSFP to OSFP Twinax Copper Cable 1 meter |
| CAB-O-O-400G-2M | 400GBASE-CR8 OSFP to OSFP Twinax Copper Cable 2 meter |
| CAB-O-O-400G-3M | 400GBASE-CR8 OSFP to OSFP Twinax Copper Cable 3 meter |
| CAB-O-2Q-400G-1M | 400GBASE-CR8 OSFP to 2 x 200GBASE-CR4 QSFP Twinax Copper Cable, 1 meter |
| CAB-O-2Q-400G-2M | 400GBASE-CR8 OSFP to 2 x 200GBASE-CR4 QSFP Twinax Copper Cable, 2 meter |
| CAB-O-2Q-400G-3M | 400GBASE-CR8 OSFP to 2 x 200GBASE-CR4 QSFP Twinax Copper Cable, 3 meter |
| CAB-O-2Q-200G-1M | 200GBASE-CR8 OSFP to 2 x 100GBASE-CR4 QSFP Twinax Copper Cable, 1 meter |
| CAB-O-2Q-200G-2M | 200GBASE-CR8 OSFP to 2 x 100GBASE-CR4 QSFP Twinax Copper Cable, 2 meter |
| CAB-O-2Q-200G-3M | 200GBASE-CR8 OSFP to 2 x 100GBASE-CR4 QSFP Twinax Copper Cable, 3 meter |
| CAB-O-4Q-400G-1M | 400GBASE-CR8 OSFP to 4 x 100GBASE-CR2 QSFP Twinax Copper Cable, 1 meter |
| CAB-O-4Q-400G-2M | 400GBASE-CR8 OSFP to 4 x 100GBASE-CR2 QSFP Twinax Copper Cable, 2 meter |
| CAB-O-4Q-400G-3M | 400GBASE-CR8 OSFP to 4 x 100GBASE-CR2 QSFP Twinax Copper Cable, 3 meter |
| CAB-O-4Q-200G-1M | 200GBASE-CR8 OSFP to 4 x 50GBASE-CR2 QSFP Twinax Copper Cable, 1 meter |
| CAB-O-4Q-200G-2M | 200GBASE-CR8 OSFP to 4 x 50GBASE-CR2 QSFP Twinax Copper Cable, 2 meter |
| CAB-O-4Q-200G-3M | 200GBASE-CR8 OSFP to 4 x 50GBASE-CR2 QSFP Twinax Copper Cable, 3 meter |
| CAB-O-8S-400G-1M | 400GBASE-CR8 OSFP to 8 x 50GBASE-CR SFP Twinax Copper Cable, 1 meter |
| CAB-O-8S-400G-2M | 400GBASE-CR8 OSFP to 8 x 50GBASE-CR SFP Twinax Copper Cable, 2 meter |
| CAB-O-8S-400G-3M | 400GBASE-CR8 OSFP to 8 x 50GBASE-CR SFP Twinax Copper Cable, 3 meter |
| CAB-O-8S-200G-1M | 200GBASE-CR8 OSFP to 8 x 25GBASE-CR SFP Twinax Copper Cable, 1 meter |
| CAB-O-8S-200G-2M | 200GBASE-CR8 OSFP to 8 x 25GBASE-CR SFP Twinax Copper Cable, 2 meter |
| CAB-O-8S-200G-3M | 200GBASE-CR8 OSFP to 8 x 25GBASE-CR SFP Twinax Copper Cable, 3 meter |
| 400 Gigabit Ethernet OSFP Twinax Active Copper Cables* | |
| H-O400-4Q100-1M | 400GBASE-CR8 OSFP to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 1 meter |
| H-O400-4Q100-2M | 400GBASE-CR8 OSFP to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 2 meter |
| H-O400-4Q100-3M | 400GBASE-CR8 OSFP to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 3 meter |
| H-O400-4Q100-5M | 400GBASE-CR8 OSFP to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 5 meter |

* The Arista 400G OSFP to 4x QSFP100 active copper cables allow a 400G OSFP port (with 8x 50G PAM-4 electrical lanes) to connect to 4x QSFP100 ports (with 4x 25G NRZ electrical lanes per QSFP). A gearbox inside the QSFP end of the cable implements the 2x 50G PAM-4 to 4x 25G NRZ conversion.

| Product Number | Product Description |
|----------------|---------------------|
|----------------|---------------------|

400 Gigabit Ethernet OSFP to OSFP Active Optical Cables

| | |
|------------------|--|
| AOC-O-O-400G-1M | 400GbE OSFP to OSFP Active Optical Cable, 1 meter |
| AOC-O-O-400G-3M | 400GbE OSFP to OSFP Active Optical Cable, 3 meter |
| AOC-O-O-400G-5M | 400GbE OSFP to OSFP Active Optical Cable, 5 meter |
| AOC-O-O-400G-7M | 400GbE OSFP to OSFP Active Optical Cable, 7 meter |
| AOC-O-O-400G-10M | 400GbE OSFP to OSFP Active Optical Cable, 10 meter |
| AOC-O-O-400G-15M | 400GbE OSFP to OSFP Active Optical Cable, 15 meter |
| AOC-O-O-400G-20M | 400GbE OSFP to OSFP Active Optical Cable, 20 meter |
| AOC-O-O-400G-25M | 400GbE OSFP to OSFP Active Optical Cable, 25 meter |
| AOC-O-O-400G-30M | 400GbE OSFP to OSFP Active Optical Cable, 30 meter |

400 Gigabit Ethernet OSFP to 400G QSFP112 Active Optical Cables

| | |
|-----------------|---|
| A-O400-Q400-1M | 400GbE OSFP to QSFP112 Active Optical Cable, 1 meter |
| A-O400-Q400-3M | 400GbE OSFP to QSFP112 Active Optical Cable, 3 meter |
| A-O400-Q400-5M | 400GbE OSFP to QSFP112 Active Optical Cable, 5 meter |
| A-O400-Q400-7M | 400GbE OSFP to QSFP112 Active Optical Cable, 7 meter |
| A-O400-Q400-10M | 400GbE OSFP to QSFP112 Active Optical Cable, 10 meter |
| A-O400-Q400-15M | 400GbE OSFP to QSFP112 Active Optical Cable, 15 meter |
| A-O400-Q400-20M | 400GbE OSFP to QSFP112 Active Optical Cable, 20 meter |
| A-O400-Q400-25M | 400GbE OSFP to QSFP112 Active Optical Cable, 25 meter |
| A-O400-Q400-30M | 400GbE OSFP to QSFP112 Active Optical Cable, 30 meter |

400 Gigabit Ethernet OSFP to 2x 200G QSFP56 Breakout Active Optical Cables

| | |
|------------------|--|
| A-O400-2Q200-1M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 1 meter |
| A-O400-2Q200-3M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 3 meter |
| A-O400-2Q200-5M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 5 meter |
| A-O400-2Q200-7M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 7 meter |
| A-O400-2Q200-10M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 10 meter |
| A-O400-2Q200-15M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 15 meter |
| A-O400-2Q200-20M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 20 meter |
| A-O400-2Q200-25M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 25 meter |
| A-O400-2Q200-30M | 400GbE OSFP to 2 x QSFP56 Active Optical Cable, 30 meter |

| Product Number | Product Description |
|----------------|---------------------|
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400 Gigabit Ethernet OSFP Optics

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|-----------------------------|---|
| OSFP-400G-VSR4 | 400GBASE-VSR4 OSFP Transceiver, MPO-12 APC connector, up to 50m over parallel OM4 MMF. |
| OSFP-400G-SR8 | 400GBASE-SR8 OSFP Transceiver, MPO-16 APC connector, up to 100m over parallel OM4 MMF. |
| OSFP-400G-SR8-C | 400GBASE-SR8 and 8x 50G / 25G-SR OSFP Transceiver, MPO-16 APC connector , 100m over parallel OM4 MMF |
| OSFP-400G-SRBD ¹ | 400GBASE-BIDI (400GBASE-SR4.2) , 4x 100GBASE-BIDI and 4x 100GBASE-SR1.2 OSFP Transceiver, MPO-12 UPC connector, 70m / 100m over parallel OM3 / OM4 MMF. |
| OSFP-400G-DR4 | 400GBASE-DR4 OSFP Transceiver, MPO12 APC connector, up to 500m over parallel SMF |
| OSFP-400G-XDR4 | 4x 100GBASE-FR (or 400G-XDR4) OSFP Transceiver, MPO12 APC connector, up to 2km over parallel SMF |
| OSFP-400G-XDR4-S | 4x 100GBASE-FR (or 400G-XDR4) OSFP Transceiver, with SN optical connectors, up to 2km over parallel SMF |
| OSFP-400G-PLR4 | 4x 100GBASE-LR (or 400G-PLR4) OSFP Transceiver, MPO12 APC connector, up to 10km over parallel SMF |
| OSFP-400G-PLR4-S | 4x 100GBASE-LR (or 400G-PLR4) OSFP Transceiver, with SN optical connectors, up to 10km over parallel SMF |
| OSFP-400G-FR4 | 400GBASE-FR4 OSFP Transceiver, up to 2km over duplex SMF |
| OSFP-400G-LR4 | 400GBASE-LR4 OSFP Transceiver, up to 10km over duplex SMF |
| OSFP-400G-LR8 | 400GBASE-LR8 OSFP Transceiver, up to 10km over duplex SMF |
| OSFP-400G-2FR4 | 400GBASE-2FR4 (2x 200G-FR4) OSFP Transceiver, up to 2km over 2 pairs of duplex SMF |
| OSFP-400G-ZR ² | 400GBASE-ZR OSFP Digital Coherent Tunable Transceiver, up to 120km over duplex SMF with amplification |

Dual 100 Gigabit Ethernet OSFP Optics

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|-----------------------------|---|
| OSFP-200G-2LR4 ³ | 2 x 100GBASE-LR4 OSFP Transceiver, with 2x LC optical connectors, up to 10km over two pairs of duplex SMF |
|-----------------------------|---|

1. The OSFP-400G-SRBD is software configurable for point to point 400GE links (400GBASE-SR4.2), breakout to 4x 100GBASE-BIDI (100G-SRBD) or breakout to 4x 100GBASE-SR1.2 optics.

2. OSFP-400G-ZR supported on specific platforms. Refer to Arista's 400ZR DCI Solution Data Sheet for detailed specifications and to Arista's Transceiver and Cable Guide for supported platforms

3. Requires the OSFP port to be configured as 2x 100G-4

| Product Number | Product Description |
|--|---|
| 400 Gigabit Ethernet QSFP-DD Twinax Copper cables | |
| CAB-D-D-400G-1M | 400GBASE-CR8 QSFP-DD to QSFP-DD Twinax Copper Cable 1 meter |
| CAB-D-D-400G-2M | 400GBASE-CR8 QSFP-DD to QSFP-DD Twinax Copper Cable 2 meter |
| CAB-D-D-400-2.5 | 400GBASE-CR8 QSFP-DD to QSFP-DD Twinax Copper Cable 2.5 meter |
| CAB-D-D-400G-3M | 400GBASE-CR8 QSFP-DD to QSFP-DD Twinax Copper Cable 3 meter |
| CAB-D-2Q-400G-1M | 400GBASE-CR8 QSFP-DD to 2 x 200GBASE-CR4 QSFP Twinax Copper Cable, 1 meter |
| CAB-D-2Q-400G-2M | 400GBASE-CR8 QSFP-DD to 2 x 200GBASE-CR4 QSFP Twinax Copper Cable, 2 meter |
| CAB-D-2Q-400-2.5 | 400GBASE-CR8 QSFP-DD to 2 x 200GBASE-CR4 QSFP Twinax Copper Cable, 2.5 meter |
| CAB-D-2Q-400G-3M | 400GBASE-CR8 QSFP-DD to 2 x 200GBASE-CR4 QSFP Twinax Copper Cable, 3 meter |
| CAB-D-2Q-200G-1M | 200GBASE-CR8 QSFP-DD to 2 x 100GBASE-CR4 QSFP Twinax Copper Cable, 1 meter |
| CAB-D-2Q-200G-2M | 200GBASE-CR8 QSFP-DD to 2 x 100GBASE-CR4 QSFP Twinax Copper Cable, 2 meter |
| CAB-D-2Q-200-2.5 | 200GBASE-CR8 QSFP-DD to 2 x 100GBASE-CR4 QSFP Twinax Copper Cable, 2.5 meter |
| CAB-D-4Q-400G-1M | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR2 QSFP Twinax Copper Cable, 1 meter |
| CAB-D-4Q-400G-2M | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR2 QSFP Twinax Copper Cable, 2 meter |
| CAB-D-4Q-400-2.5 | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR2 QSFP Twinax Copper Cable, 2.5 meter |
| CAB-D-4Q-400G-3M | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR2 QSFP Twinax Copper Cable, 3 meter |
| CAB-D-4Q-200G-1M | 200GBASE-CR8 QSFP-DD to 4 x 50GBASE-CR2 QSFP Twinax Copper Cable, 1 meter |
| CAB-D-4Q-200G-2M | 200GBASE-CR8 QSFP-DD to 4 x 50GBASE-CR2 QSFP Twinax Copper Cable, 2 meter |
| CAB-D-4Q-200-2.5 | 200GBASE-CR8 QSFP-DD to 4 x 50GBASE-CR2 QSFP Twinax Copper Cable, 2.5 meter |
| CAB-D-8S-400G-1M | 400GBASE-CR8 QSFP-DD to 8 x 50GBASE-CR SFP Twinax Copper Cable, 1 meter |
| CAB-D-8S-400G-2M | 400GBASE-CR8 QSFP-DD to 8 x 50GBASE-CR SFP Twinax Copper Cable, 2 meter |
| CAB-D-8S-400-2.5 | 400GBASE-CR8 QSFP-DD to 8 x 50GBASE-CR SFP Twinax Copper Cable, 2.5 meter |
| CAB-D-8S-200G-1M | 200GBASE-CR8 QSFP-DD to 8 x 25GBASE-CR SFP Twinax Copper Cable, 1 meter |
| CAB-D-8S-200G-2M | 200GBASE-CR8 QSFP-DD to 8 x 25GBASE-CR SFP Twinax Copper Cable, 2 meter |
| CAB-D-8S-200-2.5 | 200GBASE-CR8 QSFP-DD to 8 x 25GBASE-CR SFP Twinax Copper Cable, 2.5 meter |
| 400 Gigabit Ethernet QSFP-DD Twinax Active Copper Cables* | |
| H-D400-4Q100-1M | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 1 meter |
| H-D400-4Q100-2M | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 2 meter |
| H-D400-4Q100-3M | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 3 meter |
| H-D400-4Q100-5M | 400GBASE-CR8 QSFP-DD to 4 x 100GBASE-CR4 QSFP Twinax Active Copper Cable, 5 meter |

* The Arista 400G QSFP-DD to 4x QSFP100 active copper cables allow a 400G OSFP port (with 8x 50G PAM-4 electrical lanes) to connect to 4x QSFP100 ports (with 4x 25G NRZ electrical lanes per QSFP). A gearbox inside the QSFP end of the cable implements the 2x 50G PAM-4 to 4x 25G NRZ conversion.

| Product Number | Product Description |
|----------------|---------------------|
|----------------|---------------------|

400 Gigabit Ethernet QSFP-DD to QSFP-DD Active Optical Cables

| | |
|------------------|---|
| AOC-D-D-400G-1M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 1m |
| AOC-D-D-400G-3M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 3m |
| AOC-D-D-400G-5M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 5m |
| AOC-D-D-400G-7M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 7m |
| AOC-D-D-400G-10M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 10m |
| AOC-D-D-400G-15M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 15m |
| AOC-D-D-400G-20M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 20m |
| AOC-D-D-400G-25M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 25m |
| AOC-D-D-400G-30M | 400GbE QSFP-DD to QSFP-DD Active Optical Cable, 30m |

400 Gigabit Ethernet QSFP-DD to 400G QSFP112 Active Optical Cables

| | |
|-----------------|--|
| A-D400-Q400-1M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 1 meter |
| A-D400-Q400-3M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 3 meter |
| A-D400-Q400-5M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 5 meter |
| A-D400-Q400-7M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 7 meter |
| A-D400-Q400-10M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 10 meter |
| A-D400-Q400-15M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 15 meter |
| A-D400-Q400-20M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 20 meter |
| A-D400-Q400-25M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 25 meter |
| A-D400-Q400-30M | 400GbE QSFP-DD to QSFP112 Active Optical Cable, 30 meter |

400 Gigabit Ethernet QSFP-DD to 2x200G QSFP56 Active Optical Cables

| | |
|------------------|---|
| A-D400-2Q200-1M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 1 meter |
| A-D400-2Q200-3M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 3 meter |
| A-D400-2Q200-5M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 5 meter |
| A-D400-2Q200-7M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 7 meter |
| A-D400-2Q200-10M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 10 meter |
| A-D400-2Q200-15M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 15 meter |
| A-D400-2Q200-20M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 20 meter |
| A-D400-2Q200-25M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 25 meter |
| A-D400-2Q200-30M | 400GbE QSFP-DD to 2 x QSFP56 Active Optical Cable, 30 meter |

| Product Number | Product Description |
|----------------|---------------------|
|----------------|---------------------|

400 Gigabit Ethernet QSFP-DD Optics

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|----------------------------|---|
| QDD-400G-VSR4 | 400GBASE-VSR4 QSFP-DD Transceiver, MPO-12 APC connector, up to 50m over parallel OM4 MMF. |
| QDD-400G-SR8 | 400GBASE-SR8 QSFP-DD Transceiver, MPO-16 APC connector, up to 100m over parallel OM4 MMF. |
| QDD-400G-SR8-C | 400GBASE-SR8 and 8x 50G-SR / 25G-SR QSFP-DD transceiver, MPO-16 APC connector, up to 100m over parallel OM4 MMF |
| QDD-400G-SRBD ¹ | 400GBASE-SR4.2 (400G-BIDI), 4x 100GBASE-BIDI (100G-SRBD) and 4x 100GBASE-SR1.2 QSFP-DD Transceiver, MPO-12 UPC connector, 70m / 100m over parallel OM3 / OM4 MMF. |
| QDD-400G-DR4 | 400GBASE-DR4 QSFP-DD Transceiver, MPO12 APC connector, up to 500m over parallel SMF |
| QDD-400G-XDR4 | 4x 100GBASE-FR (or400G-XDR4) QSFP-DD Transceiver, MPO12 APC connector, up to 2km over parallel SMF |
| QDD-400G-XDR4-S | 4x 100GBASE-FR (or400G-XDR4) QSFP-DD Transceiver, with SN optical connectors, up to 2km over parallel SMF |
| QDD-400G-PLR4 | 4x 100GBASE-LR (or 400G-PLR4) QSFP-DD Transceiver, MPO12 APC connector, up to 10km over parallel SMF |
| QDD-400G-PLR4-S | 4x 100GBASE-LR (or 400G-PLR4) QSFP-DD Transceiver, with SN optical connectors, up to 10km over parallel SMF |
| QDD-400G-FR4 | 400GBASE-FR4 QSFP-DD Transceiver, up to 2km over duplex SMF |
| QDD-400G-LR4 | 400GBASE-LR4 QSFP-DD Transceiver, up to 10km over duplex SMF |
| QDD-400G-LR8 | 400GBASE-LR8 QSFP-DD Transceiver, up to 10km over duplex SMF |
| QDD-400G-ZR ² | 400GBASE-ZR QSFP-DD Digital Coherent Tunable Transceiver, up to 120km over duplex SMF with amplification |
| QDD-400G-ZRP ² | 400GBASE-ZR+, OpenZR+ Compliant, QSFP-DD Digital Coherent Tunable Transceiver |

Dual 100 Gigabit Ethernet QSFP-DD Optics

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| QDD-200G-2LR4 ³ | 2 x 100GBASE-LR4 QSFP-DD Transceiver, with 2x CS optical connectors, up to 10km over two pairs of duplex SMF |
|----------------------------|--|

1. The QDD-400G-SRBD is software configurable for point to point 400GE links (400GBASE-SR4.2), breakout to 4x 100GBASE-BIDI (100G-SRBD) or breakout to 4x 100GBASE-SR1.2 optics.

2. QDD-400G-ZR supported on specific platforms. Refer to Arista's 400ZR DCI Solution Data Sheet for detailed specifications and to Arista's Transceiver and Cable Guide for supported platforms

3. Requires the QSFP-DD port to be configured as 2x 100G

| Product Number | Product Description |
|----------------|---------------------|
|----------------|---------------------|

8x 25 Gigabit Ethernet / 8x 10 Gigabit Ethernet QSFP-DD Optics with Enhanced Optical Performance for Low Latency

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| QDD-8X25-MR-SR-E | 8x 25GBASE-SR-Enhanced / 8x 10GBASE-SR QSFP-DD E-Series Transceiver for low latency, MPO-16 APC optical connector, Up to 30m / 50m over parallel MMF without FEC @ 25G (for low latency), Up to 70m / 100m over parallel MMF with FEC @ 25G, or Up to 300m / 400m over parallel MMF at 10G |
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200 Gigabit Ethernet QSFP Twinax Copper cables

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|-----------------|--|
| C-Q200-Q200-1M | 200GBASE-CR4 QSFP to QSFP Twinax Copper Cable 1 meter |
| C-Q200-Q200-2M | 200GBASE-CR4 QSFP to QSFP Twinax Copper Cable 2 meter |
| C-Q200-Q200-3M | 200GBASE-CR4 QSFP to QSFP Twinax Copper Cable 3 meter |
| C-Q200-2Q100-1M | 200GBASE-CR4 QSFP to 2 x 100GBASE-CR2 QSFP Twinax Copper Cable, 1M |
| C-Q200-2Q100-2M | 200GBASE-CR4 QSFP to 2 x 100GBASE-CR2 QSFP Twinax Copper Cable, 2M |
| C-Q200-2Q100-3M | 200GBASE-CR4 QSFP to 2 x 100GBASE-CR2 QSFP Twinax Copper Cable, 3M |
| C-Q200-4S50-1M | 200GBASE-CR4 QSFP to 4 x 50GBASE-CR SFP Twinax Copper Cable, 1 meter |
| C-Q200-4S50-2M | 200GBASE-CR4 QSFP to 4 x 50GBASE-CR SFP Twinax Copper Cable, 2 meter |
| C-Q200-4S50-3M | 200GBASE-CR4 QSFP to 4 x 50GBASE-CR SFP Twinax Copper Cable, 3 meter |

200 Gigabit Ethernet QSFP Active Optical Cables

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|-----------------|---|
| A-Q200-Q200-1M | 200GbE QSFP to QSFP Active Optical Cable, 1m |
| A-Q200-Q200-3M | 200GbE QSFP to QSFP Active Optical Cable, 3m |
| A-Q200-Q200-5M | 200GbE QSFP to QSFP Active Optical Cable, 5m |
| A-Q200-Q200-7M | 200GbE QSFP to QSFP Active Optical Cable, 7m |
| A-Q200-Q200-10M | 200GbE QSFP to QSFP Active Optical Cable, 10m |
| A-Q200-Q200-15M | 200GbE QSFP to QSFP Active Optical Cable, 15m |
| A-Q200-Q200-20M | 200GbE QSFP to QSFP Active Optical Cable, 20m |
| A-Q200-Q200-25M | 200GbE QSFP to QSFP Active Optical Cable, 25m |
| A-Q200-Q200-30M | 200GbE QSFP to QSFP Active Optical Cable, 30m |

200 Gigabit Ethernet QSFP Optics

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|---------------|---|
| QSFP-200G-SR4 | 200GBASE-SR4 QSFP Transceiver, MPO12 UPC connector, up to 70m/100m over OM3/OM4 parallel MMF, 200G/100G dual rate |
| QSFP-200G-FR4 | 200GBASE-FR4 QSFP Transceiver, up to 2km over duplex single-mode fiber, 200G/100G dual rate |

| Product Number | Product Description |
|----------------|---------------------|
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100 Gigabit Ethernet QSFP Twinax Copper cables

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|------------------|---|
| CAB-Q-Q-100G-0.5 | 100GBASE-CR4 QSFP to QSFP Twinax Copper Cable 0.5 meter |
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|-----------------|---|
| CAB-Q-Q-100G-1M | 100GBASE-CR4 QSFP to QSFP Twinax Copper Cable 1 meter |
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|------------------|---|
| CAB-Q-Q-100G-1.5 | 100GBASE-CR4 QSFP to QSFP Twinax Copper Cable 1.5 meter |
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|-----------------|---|
| CAB-Q-Q-100G-2M | 100GBASE-CR4 QSFP to QSFP Twinax Copper Cable 2 meter |
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| CAB-Q-Q-100G-2.5 | 100GBASE-CR4 QSFP to QSFP Twinax Copper Cable 2.5 meter |
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|-----------------|---|
| CAB-Q-Q-100G-3M | 100GBASE-CR4 QSFP to QSFP Twinax Copper Cable 3 meter |
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|-----------------|---|
| CAB-Q-Q-100G-5M | 100GBASE-CR4 QSFP to QSFP Twinax Copper Cable 5 meter |
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| CAB-Q-4S-100G-1M | 100GBASE-CR4 QSFP to 4 x 25GBASE-CR SFP Twinax Copper Cable, 1 meter |
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|------------------|--|
| CAB-Q-4S-100G-2M | 100GBASE-CR4 QSFP to 4 x 25GBASE-CR SFP Twinax Copper Cable, 2 meter |
|------------------|--|

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|------------------|--|
| CAB-Q-4S-100G-3M | 100GBASE-CR4 QSFP to 4 x 25GBASE-CR SFP Twinax Copper Cable, 3 meter |
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|------------------|--|
| CAB-Q-4S-100G-5M | 100GBASE-CR4 QSFP to 4 x 25GBASE-CR SFP Twinax Copper Cable, 5 meter |
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|------------------|---|
| CAB-Q-2Q-100G-1M | 100GBASE-CR4 QSFP to 2 x 50GBASE-CR2 QSFP Twinax Copper Cable, 1M |
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|------------------|---|
| CAB-Q-2Q-100G-2M | 100GBASE-CR4 QSFP to 2 x 50GBASE-CR2 QSFP Twinax Copper Cable, 2M |
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|------------------|---|
| CAB-Q-2Q-100G-3M | 100GBASE-CR4 QSFP to 2 x 50GBASE-CR2 QSFP Twinax Copper Cable, 3M |
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| | |
|------------------|---|
| CAB-Q-2Q-100G-5M | 100GBASE-CR4 QSFP to 2 x 50GBASE-CR2 QSFP Twinax Copper Cable, 5M |
|------------------|---|

| Product Number | Product Description |
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| 100 Gigabit Ethernet QSFP Active Optical Cables | |
| AOC-Q-Q-100G-1M | 100GbE QSFP to QSFP Active Optical Cable, 1m |
| AOC-Q-Q-100G-3M | 100GbE QSFP to QSFP Active Optical Cable, 3m |
| AOC-Q-Q-100G-5M | 100GbE QSFP to QSFP Active Optical Cable, 5m |
| AOC-Q-Q-100G-7M | 100GbE QSFP to QSFP Active Optical Cable, 7m |
| AOC-Q-Q-100G-10M | 100GbE QSFP to QSFP Active Optical Cable, 10m |
| AOC-Q-Q-100G-15M | 100GbE QSFP to QSFP Active Optical Cable, 15m |
| AOC-Q-Q-100G-20M | 100GbE QSFP to QSFP Active Optical Cable, 20m |
| AOC-Q-Q-100G-25M | 100GbE QSFP to QSFP Active Optical Cable, 25m |
| AOC-Q-Q-100G-30M | 100GbE QSFP to QSFP Active Optical Cable, 30m |
| 100 Gigabit Ethernet QSFP Optics | |
| QSFP-100G-SR4 | 100GBASE-SR4 QSFP Transceiver, MPO12 UPC connector, up to 70m/100m over parallel OM3/OM4 MMF |
| QSFP-100G-SR4-E | 100GBASE-SR4-Enhanced QSFP E-Series Transceiver for low latency, MPO12 UPC connector, up to 30m/50m over parallel OM3/OM4 MMF without FEC (for low latency) or up to 70m/100m over OM3/OM4 MMF with FEC |
| QSFP-100G-XSR4 | 100GBASE-XSR4 QSFP Transceiver, MPO12 UPC connector, up to 150m / 300m over OM3 / OM4 MMF |
| QSFP-100G-SWDM4 | 100GBASE-SWDM4 QSFP Transceiver, up to 70m over OM3 or 100m over OM4 duplex multi-mode fiber |
| QSFP-100G-SRBD | 100GBASE-BIDI QSFP Transceiver, up to 70m / 100m over OM3 / OM4 duplex multi-mode fiber |
| QSFP-100G-PSM4 | 100GBASE-PSM4 QSFP Transceiver, MPO12 APC connector, up to 500m over parallel SMF, 100G/40G dual rate |
| QSFP-100G-PLRL4 | 100GBASE-PLRL4 QSFP Transceiver, MPO12 APC connector, up to 2KMm over parallel SMF, 100G/40G dual rate |
| QSFP-100G-LR4 | 100GBASE-LR4 QSFP Transceiver, up to 10km over duplex SMF |
| QSFP-100G-LRL4 | 100GBASE-LRL4 QSFP Transceiver, up to 2km over duplex SMF |
| QSFP-100G-CWDM4 | 100GBASE-CWDM4 QSFP Transceiver, up to 2km over duplex SMF, 100G/40G dual rate |
| QSFP-100G-XCWDM4 | 100GBASE-XCWDM4 QSFP Transceiver, up to 10km over duplex SMF, 100G/40G dual rate |
| QSFP-100G-ERL4 ¹ | 100GBASE-ERL4 QSFP Transceiver, 30 to 40km over single-mode fiber |
| QSFP-100G-ZR4 ² | 100GBASE-ZR4 QSFP Transceiver, up to 80km over single-mode fiber |
| QSFP-100G-DR | 100GBASE-DR single lambda QSFP Transceiver, up to 500m over duplex SMF |
| QSFP-100G-FR | 100GBASE-FR single lambda QSFP Transceiver, up to 2km over duplex SMF |
| QSFP-100G-LR | 100GBASE-LR single lambda QSFP Transceiver, up to 10km over duplex SMF |
| QSFP-100G-ER ¹ | 100GBASE-ER single lambda QSFP Transceiver, up to 40km over duplex SMF |
| OSFP to 100G QSFP Adapter | |
| ADPT-O-Q-100G ³ | OSFP to 100G QSFP adapter |

- Optical attenuation is required for shorter links to protect the receiver from permanent damage
- QSFP-100G-ZR4 supported on specific platforms. Refer to Arista's Transceiver and Cable Guide for supported platforms.
- Enables the use of 100G QSFP optical modules in an OSFP port when the port is configured for 100G. Copper cables or 200G QSFP optical modules should not be used with this adapter. The adapter does not allow a QSFP-DD module to be used in an OSFP port (only 100G QSFP optical modules).

| Product Number | Product Description |
|--|--|
| 40 Gigabit Ethernet QSFP+ Twinax Copper Cables | |
| CAB-Q-Q-0.5M | 40GBASE-CR4 QSFP+ to QSFP+ Twinax Copper Cable 0.5 meter |
| CAB-Q-Q-1M | 40GBASE-CR4 QSFP+ to QSFP+ Twinax Copper Cable 1 meter |
| CAB-Q-Q-2M | 40GBASE-CR4 QSFP+ to QSFP+ Twinax Copper Cable 2 meter |
| CAB-Q-Q-3M | 40GBASE-CR4 QSFP+ to QSFP+ Twinax Copper Cable 3 meter |
| CAB-Q-Q-5M | 40GBASE-CR4 QSFP+ to QSFP+ Twinax Copper Cable 5 meter |
| CAB-Q-S-0.5M | 4 x 10GbE QSFP+ to 4 x SFP+ Twinax Copper Cable 0.5 meter |
| CAB-Q-S-1M | 4 x 10GbE QSFP+ to 4 x SFP+ Twinax Copper Cable 1 meter |
| CAB-Q-S-2M | 4 x 10GbE QSFP+ to 4 x SFP+ Twinax Copper Cable 2 meter |
| CAB-Q-S-3M | 4 x 10GbE QSFP+ to 4 x SFP+ Twinax Copper Cable 3 meter |
| CAB-Q-S-5M | 4 x 10GbE QSFP+ to 4 x SFP+ Twinax Copper Cable 5 meter |
| 40 Gigabit Ethernet QSFP+ Active Optical Cables | |
| AOC-Q-Q-40G-3M | QSFP+ to QSFP+ 40GbE Active Optical Cable 3 meter |
| AOC-Q-Q-40G-5M | QSFP+ to QSFP+ 40GbE Active Optical Cable 5 meter |
| AOC-Q-Q-40G-7M | QSFP+ to QSFP+ 40GbE Active Optical Cable 7 meter |
| AOC-Q-Q-40G-10M | QSFP+ to QSFP+ 40GbE Active Optical Cable 10 meter |
| AOC-Q-Q-40G-15M | QSFP+ to QSFP+ 40GbE Active Optical Cable 15 meter |
| AOC-Q-Q-40G-20M | QSFP+ to QSFP+ 40GbE Active Optical Cable 20 meter |
| AOC-Q-Q-40G-25M | QSFP+ to QSFP+ 40GbE Active Optical Cable 25 meter |
| AOC-Q-Q-40G-30M | QSFP+ to QSFP+ 40GbE Active Optical Cable 30 meter |
| AOC-Q-Q-40G-50M | QSFP+ to QSFP+ 40GbE Active Optical Cable 50 meter |
| AOC-Q-Q-40G-75M | QSFP+ to QSFP+ 40GbE Active Optical Cable 75 meter |
| AOC-Q-Q-40G-100M | QSFP+ to QSFP+ 40GbE Active Optical Cable 100 meter |
| 40 Gigabit Ethernet QSFP+ Optics | |
| QSFP-40G-SR4 | 40GBASE-SR4 QSFP+ Transceiver, MPO12 UPC connector, up to 100m over OM3 MMF or 150m over OM4 MMF |
| QSFP-40G-XSR4 | 40GBASE-XSR4 QSFP+ Transceiver, MPO12 UPC connector, up to 300m over OM3 MMF or 400m over OM4 MMF |
| QSFP-40G-SRBD | 40GBASE-BIDI Bidirectional QSFP+ Transceiver, up to 100m over duplex OM3 or 150m over duplex OM4 MMF |
| QSFP-40G-SRBD-R | 40GBASE-BIDI Receiver only QSFP+, up to 100m over duplex OM3 or 150m over duplex OM4 MMF |
| QSFP-40G-UNIV | 40G Universal QSFP+ Transceiver, up to 150m over duplex OM3 and OM4 MMF or 500m over duplex SMF |
| QSFP-40G-LR4 | 40GBASE-LR4 QSFP+ Transceiver, up to 10km over SMF |
| QSFP-40G-LRL4 | 40G QSFP+ Transceiver, up to 1km over duplex SMF |
| QSFP-40G-PLR4 | 40G QSFP+ Transceiver, up to 10km over parallel SMF (4x10G LR up to 10km) MTP-12 |
| QSFP-40G-PLRL4 | 40G QSFP+ Transceiver, up to 1km over parallel SMF (4x10G LR up to 1km) MTP-12 |
| QSFP-40G-ER4 | 40GBASE-ER4 QSFP+ Transceiver, up to 40km over SMF |

| Product Number | Product Description |
|----------------|---------------------|
|----------------|---------------------|

100 Gigabit Ethernet SFP-DD Twin Copper Cables

| | |
|----------------|---|
| C-Z100-Z100-1M | 100GBASE-CR2 SFP-DD to SFP-DD Twin Copper Cable, 1 meter |
| C-Z100-Z100-2M | 100GBASE-CR2 SFP-DD to SFP-DD Twin Copper Cable, 2meter |
| C-Z100-Z100-3M | 100GBASE-CR2 SFP-DD to SFP-DD Twinax Copper Cable, 2 meter |
| C-Z100-Q100-1M | 100GBASE-CR2 SFP-DD to QSFP Twinax Copper Cable, 1 meter |
| C-Z100-Q100-2M | 100GBASE-CR2 SFP-DD to QSFP Twinax Copper Cable, 2meter |
| C-Z100-Q100-3M | 100GBASE-CR2 SFP-DD to QSFP Twinax Copper Cable, 3meter |
| C-Z100-2S50-1M | 100GBASE-CR2 SFP-DD to 2x 50GBASE-CR SFP Twinax Copper Cable, 1 meter |
| C-Z100-2S50-2M | 100GBASE-CR2 SFP-DD to 2x 50GBASE-CR SFP Twinax Copper Cable, 2meter |
| C-Z100-2S50-3M | 100GBASE-CR2 SFP-DD to 2x 50GBASE-CR SFP Twinax Copper Cable, 3meter |

100 Gigabit Ethernet DSFP Twin Copper Cables

| | |
|----------------|---|
| C-Y100-Y100-1M | 100GBASE-CR2 DSFP to DSFP Twinax Copper Cable, 1 meter |
| C-Y100-Y100-2M | 100GBASE-CR2 DSFP to DSFP Twinax Copper Cable, 2meter |
| C-Y100-Y100-3M | 100GBASE-CR2 DSFP to DSFP Twinax Copper Cable, 2 meter |
| C-Y100-Q100-1M | 100GBASE-CR2 DSFP to QSFP Twinax Copper Cable, 1 meter |
| C-Y100-Q100-2M | 100GBASE-CR2 DSFP to QSFP Twinax Copper Cable, 2meter |
| C-Y100-Q100-3M | 100GBASE-CR2 DSFP to QSFP Twinax Copper Cable, 3meter |
| C-Y100-2S50-1M | 100GBASE-CR2 DSFP to 2x 50GBASE-CR SFP Twinax Copper Cable, 1 meter |
| C-Y100-2S50-2M | 100GBASE-CR2 DSFP to 2x 50GBASE-CR SFP Twinax Copper Cable, 2meter |
| C-Y100-2S50-3M | 100GBASE-CR2 DSFP to 2x 50GBASE-CR SFP Twinax Copper Cable, 3meter |

50 Gigabit Ethernet SFP Twinax Copper Cables

| | |
|--------------|---|
| C-S50-S50-1M | 50GBASE-CR SFP to SFP Twinax Copper Cable 1 meter |
| C-S50-S50-2M | 50GBASE-CR SFP to SFP Twinax Copper Cable 2 meter |
| C-S50-S50-3M | 50GBASE-CR SFP to SFP Twinax Copper Cable 2 meter |

| Product Number | Product Description |
|----------------|---------------------|
|----------------|---------------------|

25 Gigabit Ethernet SFP Twinax Copper Cables

| | |
|------------------|---|
| CAB-S-S-25G-0.5M | 25GBASE-CR SFP to SFP Twinax Copper Cable 0.5 meter |
| CAB-S-S-25G-1M | 25GBASE-CR SFP to SFP Twinax Copper Cable 1 meter |
| CAB-S-S-25G-1.5M | 25GBASE-CR SFP to SFP Twinax Copper Cable 1.5 meter |
| CAB-S-S-25G-2M | 25GBASE-CR SFP to SFP Twinax Copper Cable 2 meter |
| CAB-S-S-25G-2.5M | 25GBASE-CR SFP to SFP Twinax Copper Cable 2.5 meter |
| CAB-S-S-25G-3M | 25GBASE-CR SFP to SFP Twinax Copper Cable 3 meter |
| CAB-S-S-25G-5M | 25GBASE-CR SFP to SFP Twinax Copper Cable 5 meter |

25 Gigabit Ethernet SFP Active Optical Cables

| | |
|-----------------|--|
| AOC-S-S-25G-3M | SFP to SFP 25GbE Active Optical Cable 3 meter |
| AOC-S-S-25G-5M | SFP to SFP 25GbE Active Optical Cable 5 meter |
| AOC-S-S-25G-7M | SFP to SFP 25GbE Active Optical Cable 7 meter |
| AOC-S-S-25G-10M | SFP to SFP 25GbE Active Optical Cable 10 meter |
| AOC-S-S-25G-15M | SFP to SFP 25GbE Active Optical Cable 15 meter |
| AOC-S-S-25G-20M | SFP to SFP 25GbE Active Optical Cable 20 meter |
| AOC-S-S-25G-25M | SFP to SFP 25GbE Active Optical Cable 25 meter |
| AOC-S-S-25G-30M | SFP to SFP 25GbE Active Optical Cable 30 meter |

25 Gigabit Ethernet SFP Optics

| | |
|------------------|---|
| SFP-25G-SR | 25GBASE-SR SFP Transceiver, up to 70m over OM3 MMF or 100m over OM4 MMF |
| SFP-25G-MR-SR | 10/25GBASE-MR-SR Dual rate SFP Transceiver, up to 70m/100m over OM3/OM4 MMF at 25G and 300m/400m over OM3/OM4 MMF at 10G. Interoperates with 10G-SR when operated at 10G. |
| SFP-25G-MR-XSR * | 10/25GBASE-MR-XSR (Extended Reach) Dual rate SFP Transceiver, up to 200m/300m over OM3/OM4 MMF at 25G and 300m/400m over OM3/OM4 MMF at 10G |
| SFP-25G-SR-E | 25GBASE-SR-Enhanced SFP E-Series Transceiver for low latency, Up to 30m/50m over OM3/OM4 MMF without FEC (for low latency), or Up to 50m/100m over OM3/OM4 MMF with FEC |
| SFP-25G-LR | 25GBASE-LR SFP Transceiver, up to 10 km over duplex SMF |
| SFP-25G-MR-LR * | 10/25GBASE-MR-LR Dual rate SFP Transceiver, up to 10 km over duplex SMF |
| SFP-25G-LR-E | 25GBASE-LR-Enhanced SFP E-Series Transceiver for low latency, Up to 2km over SMF without FEC (for low latency), or Up to 10km over SMF with FEC |
| SFP-25G-ER | 25GBASE-ER SFP Transceiver, up to 40 km over duplex SMF |

* When connecting 25G-MR-XSR/LR optics to legacy fixed rate 10G optics, attenuation may be required to ensure the optical input power to the 10G optical module is within allowable limits. Refer to the relevant 10G-LR / SR optical specifications for requirements.

| Product Number | Product Description |
|--|--|
| 10 Gigabit Ethernet SFP+ Cables | |
| CAB-SFP-SFP-0.5M | 10GBASE-CR SFP+ Cable 0.5 meter |
| CAB-SFP-SFP-1M | 10GBASE-CR SFP+ Cable 1 meter |
| CAB-SFP-SFP-1.5M | 10GBASE-CR SFP+ Cable 1.5 meter |
| CAB-SFP-SFP-2M | 10GBASE-CR SFP+ Cable 2 meter |
| CAB-SFP-SFP-2.5M | 10GBASE-CR SFP+ Cable 2.5 meter |
| CAB-SFP-SFP-3M | 10GBASE-CR SFP+ Cable 3 meter |
| CAB-SFP-SFP-5M | 10GBASE-CR SFP+ Cable 5 meter |
| 10G Gigabit Ethernet SFP+ Active Optical Cables | |
| AOC-S-S-10G-3M | SFP+ to SFP+ 10GbE Active Optical Cable 3 meter |
| AOC-S-S-10G-5M | SFP+ to SFP+ 10GbE Active Optical Cable 5 meter |
| AOC-S-S-10G-7M | SFP+ to SFP+ 10GbE Active Optical Cable 7 meter |
| AOC-S-S-10G-10M | SFP+ to SFP+ 10GbE Active Optical Cable 10 meter |
| AOC-S-S-10G-15M | SFP+ to SFP+ 10GbE Active Optical Cable 15 meter |
| AOC-S-S-10G-20M | SFP+ to SFP+ 10GbE Active Optical Cable 20 meter |
| AOC-S-S-10G-25M | SFP+ to SFP+ 10GbE Active Optical Cable 25 meter |
| AOC-S-S-10G-30M | SFP+ to SFP+ 10GbE Active Optical Cable 30 meter |
| 10 Gigabit Ethernet SFP+ Optics | |
| SFP-10G-T ¹ | 10G/1G/100M BASE-T Copper (RJ45) Transceiver, up to 30m over Cat6a cable |
| SFP-10G-T-RP ² | 10G/1G/100M BASE-T Copper (RJ45) Transceiver, up to 30m over Cat6a cable, with reduced power consumption |
| SFP-10G-MRA-T ¹ | 10G/1G/100M BASE-T Copper (RJ45) Rate Adapting Transceiver, up to 30m over Cat6a cable |
| SFP-10G-SRL | 10GBASE-SRL SFP+ Transceiver, up to 100m over OM3 MMF or 150m over OM4 MMF |
| SFP-10G-SR | 10GBASE-SR SFP+ Transceiver, up to 300m over OM3 MMF or 400m over OM4 MMF |
| SFP-10G-LRL | 10GBASE-LRL SFP+ Transceiver, up to 1km over duplex SMF |
| SFP-10G-LR | 10GBASE-LR SFP+ Transceiver, up to 10km over duplex SMF |
| SFP-10G-ERLBD-U | 10GBASE-ERLBD SFP+ Transceiver, uplink, up to 30km over single fiber SMF |
| SFP-10G-ERLBD-D | 10GBASE-ERLBD SFP+ Transceiver, downlink, up to 30km over single fiber SMF |
| SFP-10G-ERBD-U | 10GBASE-ERBD SFP+ Transceiver, uplink, up to 40km over single fiber SMF |
| SFP-10G-ERBD-D | 10GBASE-ERBD SFP+ Transceiver, downlink, up to 40km over single fiber SMF |
| SFP-10G-ER | 10GBASE-ER SFP+ Transceiver, up to 40km over duplex SMF |
| SFP-10G-ZR | 10GBASE-ZR SFP+ Transceiver, up to 80km over duplex SMF |
| SFP-10G-DZ-T ³ | 10GBASE-DWDM Tunable SFP+ Transceiver, Full C-Band 50 GHz ITU Grid, up to 80km over duplex SMF |
| Gigabit and 100M Ethernet SFP Optics and Copper | |
| SFP-1G-SX | 1000BASE-SX SFP Transceiver |
| SFP-10G-RA-1G-SX ¹ | 1000BASE-SX (media interface) to 10G (host interface) rate adapting SFP Transceiver |
| SFP-1G-LX | 1000BASE-LX SFP Transceiver |
| SFP-10G-RA-1G-LX ¹ | 1000BASE-LX (media interface) to 10G (host interface) rate adapting SFP Transceiver |
| SFP-1G-T | 100/1000BASE-T SFP Copper Transceiver |
| SFP-100M-FX | 100BASE-FX SFP Transceiver with SGMII Interface |

1. SFP-10G-T & rate adapting transceivers supported on specific platforms - refer to Arista's Transceiver and Cable Guide for supported platforms.
2. The SFP-10G-T-RP has identical performance to the SFP-10G-T, but with a lower module power consumption of 1.5W, enabling support in all Arista SFP+ and SFP25 ports, unless otherwise specified.
3. A full list of 50GHz grid and 100GHz grid channel numbers, wavelengths and frequencies are listed in the following pages of this data sheet.

Arista 50GHz Channel Numbers and Wavelengths (50GHz ITU grid) for SFP-10G-DZ-T

| Channel Number | Frequency (THz) | Wavelength (nm) | Channel Number | Frequency (THz) | Wavelength (nm) | Channel Number | Frequency (THz) | Wavelength (nm) |
|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| 1 | 191.2 | 1567.95 | 33 | 192.8 | 1554.94 | 65 | 194.4 | 1542.14 |
| 2 | 191.25 | 1567.54 | 34 | 192.85 | 1554.53 | 66 | 194.45 | 1541.74 |
| 3 | 191.3 | 1567.13 | 35 | 192.9 | 1554.13 | 67 | 194.5 | 1541.35 |
| 4 | 191.35 | 1566.72 | 36 | 192.95 | 1553.73 | 68 | 194.55 | 1540.95 |
| 5 | 191.4 | 1566.31 | 37 | 193.0 | 1553.33 | 69 | 194.6 | 1540.55 |
| 6 | 191.45 | 1565.90 | 38 | 193.05 | 1552.92 | 70 | 194.65 | 1540.16 |
| 7 | 191.5 | 1565.49 | 39 | 193.1 | 1552.52 | 71 | 194.7 | 1539.76 |
| 8 | 191.55 | 1565.08 | 40 | 193.15 | 1552.12 | 72 | 194.75 | 1539.37 |
| 9 | 191.6 | 1564.68 | 41 | 193.2 | 1551.72 | 73 | 194.8 | 1538.97 |
| 10 | 191.65 | 1564.27 | 42 | 193.25 | 1551.32 | 74 | 194.85 | 1538.58 |
| 11 | 191.7 | 1563.86 | 43 | 193.3 | 1550.92 | 75 | 194.9 | 1538.18 |
| 12 | 191.75 | 1563.45 | 44 | 193.35 | 1550.51 | 76 | 194.95 | 1537.79 |
| 13 | 191.8 | 1563.04 | 45 | 193.4 | 1550.11 | 77 | 195.0 | 1537.39 |
| 14 | 191.85 | 1562.64 | 46 | 193.45 | 1549.71 | 78 | 195.05 | 1537.00 |
| 15 | 191.9 | 1562.23 | 47 | 193.5 | 1549.31 | 79 | 195.1 | 1536.61 |
| 16 | 191.95 | 1561.82 | 48 | 193.55 | 1548.91 | 80 | 195.15 | 1536.21 |
| 17 | 192.0 | 1561.42 | 49 | 193.6 | 1548.51 | 81 | 195.2 | 1535.82 |
| 18 | 192.05 | 1561.01 | 50 | 193.65 | 1548.11 | 82 | 195.25 | 1535.43 |
| 19 | 192.1 | 1560.60 | 51 | 193.7 | 1547.71 | 83 | 195.3 | 1535.03 |
| 20 | 192.15 | 1560.20 | 52 | 193.75 | 1547.31 | 84 | 195.35 | 1534.64 |
| 21 | 192.2 | 1559.79 | 53 | 193.8 | 1546.91 | 85 | 195.4 | 1534.25 |
| 22 | 192.25 | 1559.39 | 54 | 193.85 | 1546.52 | 86 | 195.45 | 1533.86 |
| 23 | 192.3 | 1558.98 | 55 | 193.9 | 1546.12 | 87 | 195.5 | 1533.46 |
| 24 | 192.35 | 1558.58 | 56 | 193.95 | 1545.72 | 88 | 195.55 | 1533.07 |
| 25 | 192.4 | 1558.17 | 57 | 194.0 | 1545.32 | 89 | 195.6 | 1532.68 |
| 26 | 192.45 | 1557.77 | 58 | 194.05 | 1544.92 | 90 | 195.65 | 1532.29 |
| 27 | 192.5 | 1557.36 | 59 | 194.1 | 1544.52 | 91 | 195.7 | 1531.90 |
| 28 | 192.55 | 1556.96 | 60 | 194.15 | 1544.13 | 92 | 195.75 | 1531.50 |
| 29 | 192.6 | 1556.55 | 61 | 194.2 | 1543.73 | 93 | 195.8 | 1531.11 |
| 30 | 192.65 | 1556.15 | 62 | 194.25 | 1543.33 | 94 | 195.85 | 1530.72 |
| 31 | 192.7 | 1555.74 | 63 | 194.3 | 1542.93 | 95 | 195.9 | 1530.33 |
| 32 | 192.75 | 1555.34 | 64 | 194.35 | 1542.54 | 96 | 195.95 | 1529.94 |

Arista 100GHz Channel Numbers and Wavelengths (100GHz ITU grid) for SFP-10G-DZ-T

| Channel Number | Frequency (THz) | Wavelength (nm) | Channel Number | Frequency (THz) | Wavelength (nm) | Channel Number | Frequency (THz) | Wavelength (nm) |
|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| 1 | 191.2 | 1567.95 | 17 | 192.8 | 1554.94 | 33 | 194.4 | 1542.14 |
| 2 | 191.3 | 1567.13 | 18 | 192.9 | 1554.13 | 34 | 194.5 | 1541.35 |
| 3 | 191.4 | 1566.31 | 19 | 193.0 | 1553.33 | 35 | 194.6 | 1540.55 |
| 4 | 191.5 | 1565.49 | 20 | 193.1 | 1552.52 | 36 | 194.7 | 1539.76 |
| 5 | 191.6 | 1564.68 | 21 | 193.2 | 1551.72 | 37 | 194.8 | 1538.97 |
| 6 | 191.7 | 1563.86 | 22 | 193.3 | 1550.92 | 38 | 194.9 | 1538.18 |
| 7 | 191.8 | 1563.04 | 23 | 193.4 | 1550.11 | 39 | 195.0 | 1537.39 |
| 8 | 191.9 | 1562.23 | 24 | 193.5 | 1549.31 | 40 | 195.1 | 1536.61 |
| 9 | 192.0 | 1561.42 | 25 | 193.6 | 1548.51 | 41 | 195.2 | 1535.82 |
| 10 | 192.1 | 1560.60 | 26 | 193.7 | 1547.71 | 42 | 195.3 | 1535.03 |
| 11 | 192.2 | 1559.79 | 27 | 193.8 | 1546.91 | 43 | 195.4 | 1534.25 |
| 12 | 192.3 | 1558.98 | 28 | 193.9 | 1546.12 | 44 | 195.5 | 1533.46 |
| 13 | 192.4 | 1558.17 | 29 | 194.0 | 1545.32 | 45 | 195.6 | 1532.68 |
| 14 | 192.5 | 1557.36 | 30 | 194.1 | 1544.52 | 46 | 195.7 | 1531.90 |
| 15 | 192.6 | 1556.55 | 31 | 194.2 | 1543.73 | 47 | 195.8 | 1531.11 |
| 16 | 192.7 | 1555.74 | 32 | 194.3 | 1542.93 | 48 | 195.9 | 1530.33 |

Standards Compliance & Certifications

| | |
|-------------------------------------|--|
| EMC Emissions & Immunity | Subpart B, Part 15 FCC Class A, ICES-003 Issue 7 EN 55032:2015, BS EN 55032:2015, EN 55035:2017, EN 300 386 V2.1.1 |
| Safety | EN 62368-1:2014 + A11:2017, IEC 62368-1:2014 21CFR-1040.10 LN#50, Laser Class 1 or 1M IEC 60825-1, Laser Class 1 or 1M EN 60825-1, |
| Certifications | CE South Korea KCC Australia RCM UKCA |
| European Union Directives | 2014/35/EU Low Voltage Directive 2014/30/EU EMC Directive 2012/19/EU WEEE Directive 2011/65/EU RoHS 2015/863/EU Commission Delegated Directive |

Warranty

Arista pluggables and cables include a one-year limited hardware warranty, which covers parts, repair, or replacement with a 10 business day turn-around after the unit is received.

Service and Support

Support services including next business day and 4-hour advance hardware replacement are available. For service depot locations, please see: <http://www.arista.com/en/service>

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