

Transceiver Compatibility Matrix for Pluribus Freedom and Edgecore Switches

As of Netvisor® ONE Release 5.1.1 Issued 1/23/2020

Pluribus Part No.	Description	Form Factor	Vendor	Vendor Part No.
1G				
SFP-T	1000BASE-T Transceiver RJ-45 Copper	SFP	Finisar	FCLF8521P2BTL
SFP-SX	1G SX transceiver LC connector - MMF	SFP	Finisar	FTLF8519P3BNL
SFP-SGMII-T	100/1000BASE-T Transceiver	SFP	Bel Fuse	SFP-1GBT-05
SFP-LX	1G LX/LH transceiver LC connector - SMF	SFP	FOIT	AFCT-5710LZ
10G				
SFP10-T	10G SFP+, 10GBASE-T Transceiver - RJ-45 Copper - supports linkup to 30m using Cat 6a/7 Cable	SFP+	Method	DM7051
SFP10-SR	10G SFP+ SR Transceiver - 850nm Wavelength, 300 Meter	SFP+	Finisar	FTLX8574D3BCL
SFP10-LR	10G SFP+ LR Transceiver - 1310nm Wavelength, 10 Kilometer	SFP+	Finisar	FTLX1471D3BCL
SFP10-ER	10G SFP+ ER Transceiver - 1310nm Wavelength, 10 Kilometer	SFP+	Finisar	FTLX1672D3BCL
SFP10-CU0P5M	10G SFP+ 1Passive Copper Direct Attach Cable (DAC) - 0.5 Meter	10G COPPER	Amphenol	617230001
SFP10-CU1M	10G SFP+ Passive Copper Direct Attach Cable (DAC) - 1 Meter	10G COPPER	Amphenol	617230002
SFP10-CU2M	10G SFP+ Passive Copper Direct Attach Cable (DAC) - 2 Meter	10G COPPER	Amphenol	617230004
SFP10-CU3M	10G SFP+ Passive Copper Direct Attach Cable (DAC) - 3 Meter	10G COPPER	Amphenol	617230006
SFP10-AO3M	10G SFP+ Active Fiber Optic Cable (AOC) - 3 Meter	10G AOC	Finisar	FCBG110SD1C03
SFP10-AO5M	10G SFP+ Active Fiber Optic Cable (AOC) - 5 Meter	10G AOC	Finisar	FCBG110SD1C05
SFP10-AO7M	10G SFP+ Active Fiber Optic Cable (AOC) - 7 Meter	10G AOC	Finisar	FCBG110SD1C07
SFP10-AO10M	10G SFP+ Active Fiber Optic Cable (AOC) - 10 Meter	10G AOC	Finisar	FCBG110SD1C10
SFP10-AO20M	10G SFP+ Active Fiber Optic Cable (AOC) - 20 Meter	10G AOC	Finisar	FCBG110SD1C20
QSFP10-CU1M	10G QSFP to 4x SFP+ Passive Copper Splitter Cable - 1 Meter	QSFP40 SPLITTER COPPER	Amphenol	610640001
QSFP10-CU2M	10G QSFP to 4x SFP+ Passive Copper Splitter Cable - 2 Meter	QSFP40 SPLITTER COPPER	Amphenol	610640002
QSFP10-CU3M	10G QSFP to 4x SFP+ Passive Copper Splitter Cable - 3 Meter	QSFP40 SPLITTER COPPER	Amphenol	610640003
QSFP10-AO3M	10G QSFP to 4x SFP+ Active Optical Splitter Cable - 3 Meter	QSFP40 SPLITTER AOC	Finisar	FCBN510QE2C03
QSFP10-AO5M	10G QSFP to 4x SFP+ Active Optical Splitter Cable - 5 Meter	QSFP40 SPLITTER AOC	Finisar	FCBN510QE2C05
QSFP10-AO10M	10G QSFP to 4x SFP+ Active Optical Splitter Cable - 10 Meter	QSFP40 SPLITTER AOC	Finisar	FCBN510QE2C10
25G				
QSFP25-CU1M	25G QSFP28 to 4x SFP28 Passive Copper Splitter Cable - 1 Meter	SFP28	Amphenol	NDCCGF-D151
QSFP25-CU2M	25G QSFP28 to 4x SFP28 Passive Copper Splitter Cable - 2 Meter	SFP28	Amphenol	SF-NDCCGF28GB-002M
QSFP25-CU3M	25G QSFP28 to 4x SFP28 Passive Copper Splitter Cable - 3 Meter	SFP28	Amphenol	NDCCGJ-0003
100G<->25G				
QSFP25-CU1M	25G QSFP28 to 4x SFP28 Passive Copper Splitter Cable - 1 Meter	QSFP28 SPLITTER COPPER	Amphenol	NDAQGF-0001
QSFP25-CU2M	25G QSFP28 to 4x SFP28 Passive Copper Splitter Cable - 2 Meter	QSFP28 SPLITTER COPPER	Amphenol	NDAQGF-0002
QSFP25-CU3M	25G QSFP28 to 4x SFP28 Passive Copper Splitter Cable - 3 Meter	QSFP28 SPLITTER COPPER	Amphenol	NDAQGF-0003
QSFP25-AO3M	25G QSFP28 to 4x SFP28 Active Optical Splitter Cable - 3 Meter	QSFP28 SPLITTER AOC	Finisar	FCBN525QE2C03
QSFP25-AO5M	25G QSFP28 to 4x SFP28 Active Optical Splitter Cable - 5 Meter	QSFP28 SPLITTER AOC	Finisar	FCBN525QE2C05
QSFP25-AO10M	25G QSFP28 to 4x SFP28 Active Optical Splitter Cable - 10 Meter	QSFP28 SPLITTER AOC	Finisar	FCBN525QE2C10

Pluribus Part No.	Description	Form Factor	Vendor	Vendor Part No.
40G				
QSFP40-UNIVLM4	40G QSFP+ LM4 Universal Transceiver - 140m on OM3, 160m on OM4, and 1km on SMF	QSFP, 40G	Finisar	FTL4C3QE1C
QSFP40-SR4	40G QSFP+ SR4 Transceiver - 850nm Wavelength, 100 Meter over OM3 MMF or 150 Meter over OM4 MMF	QSFP, 40G	Finisar	FTL410QE4C
QSFP40-ER4	40G QSFP+ ER4 Transceiver - 40 Kilometer	QSFP, 40G	FlexOptics	Q.1640G.40
QSFP40-PLR4	40G QSFP+ Parallel SMF MTP Transceiver - 10km	QSFP, 40G	Fiberstore	QSFP40-PLR4-40G
QSFP40-LR4	40G QSFP+ LR4 Transceiver - 10 Kilometer	QSFP, 40G	Finisar	FTL4C1QE1C
QSFP40-BIDI	40G QSFP+ Bi-Directional Transceiver - Duplex LC	QSFP, 40G	FOIT	AFBR-79EBPZ
CAB-MMF-LC5M	LC-LC Male Fiber Optic Patch Cable, Multimode, 50/125, OM3 - 5 meter	PATCH CABLE	Wave2Wave	PER DESC
CAB-MMF-LC2M	LC-LC Male Fiber Optic Patch Cable, Multimode, 50/125, OM3 - 2 meter	PATCH CABLE	Wave2Wave	PER DESC
CAB-MMF-LC15M	LC-LC Male Fiber Optic Patch Cable, Multimode, 50/125, OM3 - 15 meter	PATCH CABLE	Wave2Wave	PER DESC
QSFP-SFP-ADPTR	QSFP to SFP+/SFP Adapter for 10G/1G	ADAPTER	Mellanox	MAM1Q00A-QSA
QSFP40-CU0P5M	40G QSFP Passive Copper Direct Attach Cable (DAC) - 0.5 Meter	40G COPPER	Amphenol	603020000
QSFP40-CU1M	40G QSFP Passive Copper Direct Attach Cable (DAC) - 1 Meter	40G COPPER	Amphenol	603020001
QSFP40-CU2M	40G QSFP Passive Copper Direct Attach Cable (DAC) - 2 Meter	40G COPPER	Amphenol	603020002
QSFP40-CU3M	40G QSFP Passive Copper Direct Attach Cable (DAC) - 3 Meter	40G COPPER	Amphenol	603020003
QSFP40-AO3M	40G QSFP Active Fiber Optic Cable (AOC) - 3 Meter	40G AOC	Finisar	FCBN410QB1C03
QSFP40-AO5M	40G QSFP Active Fiber Optic Cable (AOC) - 5 Meter	40G AOC	Finisar	FCBG410QB1C05
QSFP40-AO7M	40G QSFP Active Fiber Optic Cable (AOC) - 7 Meter	40G AOC	Finisar	FCBG410QB1C07
QSFP40-AO10M	40G QSFP Active Fiber Optic Cable (AOC) - 10 Meter	40G AOC	Finisar	FCBG410QB1C10
QSFP40-AO15M	40G QSFP Active Fiber Optic Cable (AOC) - 15 Meter	40G AOC	Finisar	FCBG410QB1C15
QSFP40-AO20M	40G QSFP Active Fiber Optic Cable (AOC) - 20 Meter	40G AOC	Finisar	FCBG410QB1C20
100G				
QSFP100-SR4	100G QSFP28 Transceiver - SR4 850nm, 100m with MPO connector	QSFP28, 100G	Finisar	FTLC9551REPM
QSFP100-LR4	100G QSFP28 Transceiver - LR4, 10 Kilometer, Duplex LC	QSFP28, 100G	Finisar	FTLC1154RDPL
QSFP100-ELR4	100G QSFP28 Transceiver - ELR4, 20 Kilometer, Duplex LC	QSFP28, 100G	Finisar	FTLC1151RDPL
QSFP100-PSM4	100G QSFP28 Transceiver - PSM4, 2 Kilometer with MPO Connector	QSFP28, 100G	Luxtera	LUX42604B0
QSFP100-CU1M	100G QSFP28 Direct Access Cable (DAC) - 1 Meter	100G COPPER	Amphenol	NDAAFF-C101
QSFP100-CU2M	100G QSFP28 Direct Access Cable (DAC) - 2 Meter	100G COPPER	Amphenol	NDAAFF-C102
QSFP100-CU3M	100G QSFP28 Direct Access Cable (DAC) - 3 Meter	100G COPPER	Amphenol	NDAAFF-C103
QSFP100-AO3M	100G QSFP28 Active Fiber Optic Cable (AOC) - 3 Meter	100G AOC	Finisar	FCBN425QE1C03
QSFP100-AO5M	100G QSFP28 Active Fiber Optic Cable (AOC) - 5 Meter	100G AOC	Finisar	FCBN425QE1C05
QSFP100-AO7M	100G QSFP28 Active Fiber Optic Cable (AOC) - 7 Meter	100G AOC	Finisar	FCBN425QE1C07
QSFP100-AO10M	100G QSFP28 Active Fiber Optic Cable (AOC) - 10 Meter	100G AOC	Finisar	FCBN425QE1C10
QSFP100-AO15M	100G QSFP28 Active Fiber Optic Cable (AOC) - 15 Meter	100G AOC	Finisar	FCBN425QE1C15
QSFP100-AO20M	100G QSFP28 Active Fiber Optic Cable (AOC) - 20 Meter	100G AOC	Finisar	FCBN425QE1C20

Third-Party Transceiver Compatibility Note: Customers are advised that the Pluribus Netvisor ONE OS does not lock transceiver support, however due to potential variations of the firmware and implementations within physical transceivers, not all third-party transceivers will be fully compatible off-the-shelf. Pluribus Networks has endeavored to test and validate third-party transceivers and those listed here are based upon the manufacturers currently shipping versions at the time of testing. Pluribus advises that transceiver models substituted by the manufacture or from a third-party manufacturer, although claimed to be functionally equivalent, may not be compatible. The customers is advised to contact Pluribus Networks to verify compatibility and validate interoperability prior to purchasing or deployment.