

S3900 Series Switches Transceiver Modules Guide



Supported Transceivers and Cables Information

The following tables list supported 1G SFP and 10G SFP+ transceivers and cables for S3900 series switches. They were tested by FS technicians to ensure compatibility.

Models of Switches

- S3900-24T4S
- S3900-24F4S
- S3900-48T4S

Models of Switches

S3900-24T4S

1GE SFP Transceivers

FS P/N	ID NO.	Description
SFP-GB-GE-T	34976	10/100/1000BASE-T SFP Copper RJ-45 100m Transceiver Module
SFP-GB-GE-T	20057	1000BASE-T SFP Copper RJ-45 100m Transceiver Module
SFP1G-SX-85	29838	1000BASE-SX SFP 850nm 550m DOM Transceiver Module
SFP1G-SX-31	29848	1000BASE-SX SFP 1310nm 2km DOM Transceiver Module
SFP1G-LX-31	29851	1000BASE-LX/LH SFP 1310nm 20km DOM Transceiver Module
SFP1G-LH-31	29853	1000BASE-EX SFP 1310nm 40km DOM Transceiver Module
SFP1G-ZX-55	29856	1000BASE-ZX SFP 1550nm 80km DOM Transceiver Module
SFP-GE-BX	20140	1000BASE-BX BiDi SFP 1310nm-TX/1550nm-RX 20km DOM Transceiver Module
SFP-GE-BX	20141	1000BASE-BX BiDi SFP 1550nm-TX/1310nm-RX 20km DOM Transceiver Module
SFP-GE-BX	29894	1000BASE-BX BiDi SFP 1310nm-TX/1490nm-RX 10km DOM Transceiver Module
SFP-GE-BX	29895	1000BASE-BX BiDi SFP 1490nm-TX/1310nm-RX 10km DOM Transceiver Module
SFP-GE-BX40	20145	1000BASE-BX BiDi SFP 1310nm-TX/1550nm-RX 40km DOM Transceiver Module
SFP-GE-BX40	20146	1000BASE-BX BiDi SFP 1550nm-TX/1310nm-RX 40km DOM Transceiver Module
SFP-GE-BX40	20188	1000BASE-BX BiDi SFP 1310nm-TX/1490nm-RX 40km DOM Transceiver Module
SFP-GE-BX40	20189	1000BASE-BX BiDi SFP 1490nm-TX/1310nm-RX 40km DOM Transceiver Module
SFP-GE-BX120	30016	1000BASE-BX BiDi SFP 1490nm-TX/1550nm-RX 120km DOM Transceiver Module
SFP-GE-BX120	30017	1000BASE-BX BiDi SFP 1550nm-TX/1490nm-RX 120km DOM Transceiver Module

10GE SFP+ Transceivers and Cables

FS P/N	ID NO.	Description
SFP-10G-T	66612	10GBASE-T SFP+ Copper RJ-45 30m Transceiver Module
SFP-10GSR-85	11589	10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module
SFP-10GLRM-31	11590	10GBASE-LRM SFP+ 1310nm 220m DOM Transceiver Module
SFP-10GER-55	11592	10GBASE-ER SFP+ 1550nm 40km DOM Transceiver Module
SFP-10GZR-55	11595	10GBASE-ZR SFP+ 1550nm 80km DOM Transceiver Module
SFP-10G-BX	11632	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 20km DOM Transceiver Module
SFP-10G-BX	11633	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 20km DOM Transceiver Module
SFP-10G-BX40	12735	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 40km DOM Transceiver Module
SFP-10G-BX40	12737	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 40km DOM Transceiver Module
SFP-10G-DAC-0.5	21269	0.5m (2ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-1	21254	1m (3ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-1.5	39781	1.5m (5ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-2	21278	2m (7ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-2.5	48914	2.5m (8ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-3	35194	3m (10ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-AOC-1	24982	1m (3ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-2	48588	2m (7ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-3	24983	3m (10ft) 10G SFP+ Active Optical Cable

10GE SFP+ Transceivers and Cables (Continued)

FS P/N	ID NO.	Description
SFP-10G-AOC-5	24984	5m (16ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-15	48591	15m (49ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-20	39683	20m (66ft) 10G SFP+ Active Optical Cable

Models of Switches

S3900-24F4S

1GE SFP Transceivers

FS P/N	ID NO.	Description
SFP-GB-GE-T	20036	10/100/1000BASE-T SFP Copper RJ-45 100m Transceiver
SFP-GB-GE-T	20057	1000BASE-T SFP Copper RJ-45 100m Transceiver Module
SFP1G-SX-85	29838	1000BASE-SX SFP 850nm 550m DOM Transceiver Module
SFP1G-SX-31	29848	1000BASE-SX SFP 1310nm 2km DOM Transceiver Module
SFP1G-LX-31	29849	1000BASE-LX/LH SFP 1310nm 10km DOM Transceiver Module
SFP1G-LH-31	29853	1000BASE-EX SFP 1310nm 40km DOM Transceiver Module
SFP1G-EX-55	29854	1000BASE-EX SFP 1550nm 40km DOM Transceiver Module
SFP1G-ZX-55	29856	1000BASE-ZX SFP 1550nm 80km DOM Transceiver Module
SFP-GE-BX	20184	1000BASE-BX BiDi SFP 1310nm-TX/1490nm-RX 20km DOM Transceiver Module
SFP-GE-BX	20185	1000BASE-BX BiDi SFP 1490nm-TX/1310nm-RX 20km DOM Transceiver Module
SFP-GE-BX	20140	1000BASE-BX BiDi SFP 1310nm-TX/1550nm-RX 20km DOM Transceiver Module

1GE SFP Transceivers (Continued)

FS P/N	ID NO.	Description
SFP-GE-BX	20141	1000BASE-BX BiDi SFP 1550nm-TX/1310nm-RX 20km DOM Transceiver Module
SFP-GE-BX40	20188	1000BASE-BX BiDi SFP 1310nm-TX/1490nm-RX 40km DOM Transceiver Module
SFP-GE-BX40	20189	1000BASE-BX BiDi SFP 1490nm-TX/1310nm-RX 40km DOM Transceiver Module
SFP-GE-BX40	20145	1000BASE-BX BiDi SFP 1310nm-TX/1550nm-RX 40km DOM Transceiver Module
SFP-GE-BX40	20146	1000BASE-BX BiDi SFP 1550nm-TX/1310nm-RX 40km DOM Transceiver Module
SFP-GE-BX80	20190	1000BASE-BX BiDi SFP 1490nm-TX/1550nm-RX 80km DOM Transceiver Module
SFP-GE-BX80	20139	1000BASE-BX BiDi SFP 1550nm-TX/1490nm-RX 80km DOM Transceiver Module

10GE SFP+ Transceivers and Cables

FS P/N	ID NO.	Description
SFP-10G-T	66612	10GBASE-T SFP+ Copper RJ-45 30m Transceiver Module
SFP-10GSR-85	11589	10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module
SFP-10GSR-85	29899	Dual-Rate 1000BASE-SX and 10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module
SFP-10GLR-31	11591	10GBASE-LR SFP+ 1310nm 10km DOM Transceiver Module
SFP-10GLR-31	29901	Dual-Rate 1000BASE-LX and 10GBASE-LR SFP+ 1310nm 10km DOM Transceiver Module
SFP-10GER-55	11592	10GBASE-ER SFP+ 1550nm 40km DOM Transceiver Module
SFP-10GZR-55	11595	10GBASE-ZR SFP+ 1550nm 80km DOM Transceiver Module
SFP-10GZRC-55	50009	10GBASE-ZRC SFP+ 1550nm 100km DOM Transceiver Module
SFP-10G-BX	11603	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 10km DOM Transceiver Module

10GE SFP+ Transceivers and Cables (Continued)

FS P/N	ID NO.	Description
SFP-10G-BX	11624	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 10km DOM Transceiver Module
SFP-10G-BX40	17235	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 40km DOM Transceiver Module
SFP-10G-BX40	12737	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 40km DOM Transceiver Module
SFP-10G-BX60	13172	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 60km DOM Transceiver Module
SFP-10G-BX60	13173	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 60km DOM Transceiver Module
SFP-10G-BX80	31028	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 80km DOM Transceiver Module
SFP-10G-BX80	31029	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 80km DOM Transceiver Module
SFP-10G-DAC-0.5	21269	0.5m (2ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-1	21254	1m (3ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-1	21309	1m (3ft) 10G SFP+ Active Direct Attach Copper Twinax Cable
SFP-10G-DAC-1.5	39781	1.5m (5ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-2	21278	2m (7ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-2	30769	2m (7ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 24AWG
SFP-10G-DAC-2.5	48914	2.5m (8ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-3	35194	3m (10ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-3	30771	3m (10ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-5	30760	5m (16ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 24AWG
SFP-10G-DAC-5	30535	5m (16ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-7	30763	7m (23ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 24AWG

10GE SFP+ Transceivers and Cables (Continued)

FS P/N	ID NO.	Description
SFP-10G-DAC-7	30743	7m (23ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 28AWG
SFP-10G-DAC-10	30778	10m (33ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 28AWG
SFP-10G-AOC-1	24982	1m (3ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-2	48588	2m (7ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-3	24983	3m (10ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-10	30542	10m (33ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-15	48591	15m (49ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-20	39683	20m (66ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-30	48593	30m (98ft) 10G SFP+ Active Optical Cable

Models of Switches

S3900-48T4S

1GE SFP Transceivers

FS P/N	ID NO.	Description
SFP-GB-GE-T	20036	10/100/1000BASE-T SFP Copper RJ-45 100m Transceiver
SFP-GB-GE-T	20057	1000BASE-T SFP Copper RJ-45 100m Transceiver Module
SFP1G-SX-85	29838	1000BASE-SX SFP 850nm 550m DOM Transceiver Module
SFP1G-SX-31	29848	1000BASE-SX SFP 1310nm 2km DOM Transceiver Module
SFP1G-LX-31	29849	1000BASE-LX/LH SFP 1310nm 10km DOM Transceiver Module

1GE SFP Transceivers (Continued)

FS P/N	ID NO.	Description
SFP1G-LH-31	29853	1000BASE-EX SFP 1310nm 40km DOM Transceiver Module
SFP1G-EX-55	29854	1000BASE-EX SFP 1550nm 40km DOM Transceiver Module
SFP1G-ZX-55	29856	1000BASE-ZX SFP 1550nm 80km DOM Transceiver Module
CWDM-SFP1G-ZX	47137	1000BASE-CWDM SFP 1570nm 80km DOM Transceiver Module
DWDM-SFP1G-ZX	47490	C21 1000BASE-DWDM SFP 100GHz 1560.61nm 40km DOM Transceiver Module
DWDM-SFP1G-ZX	47466	C45 1000BASE-DWDM SFP 100GHz 1541.35nm 40km DOM Transceiver Module
SFP-GE-BX	20184	1000BASE-BX BiDi SFP 1310nm-TX/1490nm-RX 20km DOM Transceiver Module
SFP-GE-BX	20185	1000BASE-BX BiDi SFP 1490nm-TX/1310nm-RX 20km DOM Transceiver Module
SFP-GE-BX40	20188	1000BASE-BX BiDi SFP 1310nm-TX/1490nm-RX 40km DOM Transceiver Module
SFP-GE-BX40	20189	1000BASE-BX BiDi SFP 1490nm-TX/1310nm-RX 40km DOM Transceiver Module
SFP-GE-BX80	20190	1000BASE-BX BiDi SFP 1490nm-TX/1550nm-RX 80km DOM Transceiver Module
SFP-GE-BX80	20139	1000BASE-BX BiDi SFP 1550nm-TX/1490nm-RX 80km DOM Transceiver Module

10GE SFP+ Transceivers and Cables

FS P/N	ID NO.	Description
SFP-10G-T	66612	10GBASE-T SFP+ Copper RJ-45 30m Transceiver Module
SFP-10GSR-85	11589	10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module
SFP-10GSR-85	29899	Dual-Rate 1000BASE-SX and 10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module
SFP-10GLR-31	11591	10GBASE-LR SFP+ 1310nm 10km DOM Transceiver Module

10GE SFP+ Transceivers and Cables (Continued)

FS P/N	ID NO.	Description
SFP-10GLR-31	29901	Dual-Rate 1000BASE-LX and 10GBASE-LR SFP+ 1310nm 10km DOM Transceiver Module
SFP-10GER-55	11592	10GBASE-ER SFP+ 1550nm 40km DOM Transceiver Module
SFP-10GZR-55	11595	10GBASE-ZR SFP+ 1550nm 80km DOM Transceiver Module
CWDM-SFP10G-80L	44113	10G CWDM SFP+ 1510nm 80km DOM Transceiver Module
CWDM-SFP10G-80L	44114	10G CWDM SFP+ 1530nm 80km DOM Transceiver Module
CWDM-SFP10G-80L	44115	10G CWDM SFP+ 1550nm 80km DOM Transceiver Module
DWDM-SFP10G-40	44558	C17 10G DWDM SFP+ 100GHz 1563.86nm 40km DOM Transceiver Module
DWDM-SFP10G-80	44055	C18 10G DWDM SFP+ 100GHz 1563.05nm 80km DOM Transceiver Module
DWDM-SFP10G-80	44079	C42 10G DWDM SFP+ 100GHz 1543.73nm 80km DOM Transceiver Module
DWDM-SFP10G-80	44089	C52 10G DWDM SFP+ 100GHz 1535.82nm 80km DOM Transceiver Module
SFP-10G-BX	11603	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 10km DOM Transceiver Module
SFP-10G-BX	11624	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 10km DOM Transceiver Module
SFP-10G-BX40	17235	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 40km DOM Transceiver Module
SFP-10G-BX40	12737	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 40km DOM Transceiver Module
SFP-10G-BX60	13172	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 60km DOM Transceiver Module
SFP-10G-BX60	13173	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 60km DOM Transceiver Module
SFP-10G-BX80	31028	10GBASE-BX BiDi SFP+ 1270nm-TX/1330nm-RX 80km DOM Transceiver Module
SFP-10G-BX80	31029	10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX 80km DOM Transceiver Module

10GE SFP+ Transceivers and Cables (Continued)

FS P/N	ID NO.	Description
SFP-10G-DAC-0.5	21269	0.5m (2ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-1	21254	1m (3ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-1	21309	1m (3ft) 10G SFP+ Active Direct Attach Copper Twinax Cable
SFP-10G-DAC-1.5	39781	1.5m (5ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-2	21278	2m (7ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-2	30769	2m (7ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 24AWG
SFP-10G-DAC-2.5	48914	2.5m (8ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-3	35194	3m (10ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-3	30771	3m (10ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-5	30760	5m (16ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 24AWG
SFP-10G-DAC-5	30535	5m (16ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 30AWG
SFP-10G-DAC-7	30763	7m (23ft) 10G SFP+ Passive Direct Attach Copper Twinax Cable 24AWG
SFP-10G-DAC-7	30743	7m (23ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 28AWG
SFP-10G-DAC-10	30778	10m (33ft) 10G SFP+ Active Direct Attach Copper Twinax Cable 28AWG
SFP-10G-AOC-1	24982	1m (3ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-2	48588	2m (7ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-3	24983	3m (10ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-10	30542	10m (33ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-15	48591	15m (49ft) 10G SFP+ Active Optical Cable

10GE SFP+ Transceivers and Cables (Continued)

FS P/N	ID NO.	Description
SFP-10G-AOC-20	39683	20m (66ft) 10G SFP+ Active Optical Cable
SFP-10G-AOC-30	48593	30m (98ft) 10G SFP+ Active Optical Cable

Note: Further more information about FS fiber optic transceivers modules, see the <https://www.fs.com/c/fiber-optic-transceivers-9>.



 <https://www.fs.com>



All statements, technical information, and recommendations related to the products here are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. Please contact FS for more information.