



## FortiSwitch™-Compatible Transceivers

Transceiver specifications can be found in the [Fortinet Transceivers datasheet](#) on the Fortinet website.

Each row in the following table shows which FS-series, FG-series, and FR-series transceivers are compatible with each FortiSwitch model.

[illegible]

FortiSwitch Models		
	FS-TRAN-FX/FTLF1217P2BTL 100Mb	✓
	FG-TRAN-LX/AFCT-5710PZ 1G	✓
	FG-TRAN-GC/FCLF-8521-3 1G	✓
	FG-TRAN-SX/AFBR-5710PZ/ FTLF8519P3BNL 1G	✓
	FS-TRAN-GC/LCP-1250RJ3SR-K/ FCLF-8521-3 1G	✓
	FR-TRAN-ZX/FTLF1518P1BTL 1G	✓
	FR-TRAN-SX/FTLF8519P3BTL 1G	✓
	FG-TRAN-SFP+SR/AFBR-709ASMZ/ FTLX8571D3BCL/FTLX8574D3BCL 10G	—
	FG-TRAN-SFP+LR/AFCT-739ASMZ/ FTLX1471D3BCL 10G	—
	FS-TRAN-SFP+SR/FTLX8571D3BCV/ FTLX8574D3BCL 10G	✓
	FS-TRAN-SFP+ER/FTLX1672D3BCL 10G	✓
	FG-TRAN-QSFP+SR/FTL410QE2C/ QCP-10G3A4EDR 40G	✓
	FG-TRAN-QSFP+LR/FTL4C1QE1C 40G	✓
	FG-TRAN-QSFP+SR-BIDI/AFBR-79EBPZ 40G	✓
	FG-TRAN-QSFP28-SR4/ FTLC9551REPM 100G	—
	FG-TRAN-QSFP28-LR4/ FTLC1151RDPL 100G	—
FSR-112D-POE		✓
FSR-124D		—
FSR-424F-POE <sup>2</sup>		✓

- For the FSW-424E-Fiber model, the first 24 ports support 1G transceivers and FS-TRAN-FX (100Base-FX); ports 25-28 are 1G/10G capable.
- FSR-424F-POE supports FS-TRAN-FX using port13 to port24.

Each row in the following table shows which FN-series transceivers are compatible with each FortiSwitch model.

[illegible]

1. Use the following FortiGate models to manage FN-TRAN-DSL: FG-80F, FG-81F, FG-80F-BP, FGR-60F, FGR-60F-3G4G, FG-60F, and FG-40F-3G4G. A FortiSwitch unit running in standalone mode cannot program the physical-layer attributes on the DSL module.
2. The `set speed 1000auto` command is required when FN-TRAN-GC is used with a FortiSwitch unit.
3. FN-TRAN-SFP2-SX and FN-TRAN-SFP2-LX operate at 1G in the FortiSwitch models that do not support 2.5G.

Direct-Attach Cables and Split Cables

Each row in the table shows which cables are compatible with each FortiSwitch model.

FortiSwitch Models	SP-CABLE-FS-SFP+1/OPSFP+T-01-PEB 10G	SP-CABLE-FS-SFP+3/OPSFP+T-03-PEB 10G	SP-CABLE-FS-SFP+5/OPSFP+T-05-PAB 10G	SP-CABLE-ADASFP+1/586720011 10G	FN-CABLE-SFP+1 10G	FN-CABLE-SFP+3 10G	FN-CABLE-SFP+5 10G	FN-CABLE-SFP28-1 25G	FN-CABLE-SFP28-3 25G	FN-CABLE-SFP28-5 25G	SP-CABLE-FS-QSFP+1/ OPQSFP-T-01-PEB 40G	SP-CABLE-FS-QSFP+3/ OPQSFP-T-03-PEB 40G	SP-CABLE-FS-QSFP+5/ OPQSFP-T-05-PCB 40G	FN-CABLE-QSFP+1/NDAAEA-FN01 40G	FN-CABLE-QSFP+3/NDAAEA-FN03 40G	FN-CABLE-QSFP+5/NDAAED-FN05 40G	FG-TRAN-QSFP-4XSFP <sup>1</sup> 40G/100G	FG-TRAN-QSFP-4SFP-5 <sup>1</sup> 40G/100G	FN-CABLE-QSFP28-1/OPQS28-T-01-PEV 100G	FN-CABLE-QSFP28-2/OPQS28-T-02-PEV 100G	FN-CABLE-QSFP28-3/OPQS28-T-03-PEV 100G	FN-CABLE-QSFP28-5/OPQS28-T-05-PEV 100G	FN-CABLE-QSFP28-4SFP28-1/ NDAQGF-FN01 100G	FN-CABLE-QSFP28-4SFP28-3/ NDAQGJ-FN03 100G	FN-CABLE-QSFP28-4SFP28-5/ NDAQGJ-FN05 100G
FS-124F	✓	—	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-124F-POE	✓	—	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-124F-FPOE	✓	—	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-148F	✓	✓	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-148F-POE	✓	✓	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-148F-FPOE	✓	✓	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-424D	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-424D-POE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-424D-FPOE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-424E	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-424E-POE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-424E-FPOE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-424E-Fiber	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-M426E-FPOE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-448D	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-448D-POE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-448D-FPOE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-448E	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-448E-POE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-448E-FPOE	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-524D	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—
FS-524D-FPOE	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—
FS-548D	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—
FS-548D-FPOE	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—
FS-624F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
FS-624F-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
FS-648F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
FS-648F-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
FS-1024D	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FS-1024E	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-T1024E	—	—	—	—	—	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-1048D	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-1048E	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-2048F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-3032D	—	—	—	—	—	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-3032E	—	—	—	—	—	—	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FSR-424F-POE	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—

1. Breakout cables only

CHANGE LOG	
July 11, 2018	Initial document release
July 12, 2018	Updated the 100G columns.
July 25, 2018	Added a table for direct-attach cables and split cables.
September 4, 2018	Changed the speed for FS-TRAN-FX. Added SP-CABLE cables.
May 16, 2019	Added rows for FS-3032E, FS-148E, and FS-148E-POE. Removed FortiSwitch models that do not support direct-attach cables and split cables from the second table.
June 13, 2019	Updated the FS-3032E row.
October 18, 2019	Added FN-TRAN-SFP+GC.
November 5, 2019	Added 3032E to the second table.
December 3, 2019	Corrected cable name.
December 10, 2019	Added FR-TRAN-ZX.
February 14, 2020	Removed FS-TRAN-SFP+GC and FS-TRAN-SFP+LRM. Added FS-424E, FS-424E-POE, FS-424E-FPOE, FS-424E-Fiber, and FS-M426E-FPOE.
March 12, 2020	Added FG-TRAN-QSFP+SR-BIDI/AFBR-79EBPZ. Updated which switches support FR-TRAN-ZX.
April 6, 2020	Added FS-448E, FS-448E-POE, and FS-448E-FPOE.
April 29, 2020	Added 1048E support for FG-TRAN-QSFP-4XSFP and FG-TRAN-QSFP-4SFP-5.
May 4, 2020	Added 13 FN-series transceivers. Corrected the FS-3032D row in the first table.
July 22, 2020	Added vendor part numbers to SP-CABLE cables.
August 17, 2020	Expanded the note for the FS-424E-Fiber model.
November 30, 2020	Removed SP-CABLE-FS-SFP+7/OPSFPP-T-07-PAB. Added the FS-1xxF models.
December 2, 2020	Removed FN-TRAN-GC support by the FS-1024D and FS-1048D models.
December 3, 2020	Removed FN-TRAN-GC and FCLF8521P2BTL.
January 15, 2021	Updated the FS-148F-FPOE row in the first table. Corrected the description of FR-TRAN-ZX.
March 22, 2021	Added FS-124F, FS-124F-POE, FS-124F-FPOE, FS-148F, FS-148F-POE, and FS-148F-FPOE to the Direct-Attach Cables and Split Cables table.
March 31, 2021	Updated note 2.
April 3, 2021	Added FS-1xxF support for FN-TRAN-SFP+LR, FN-TRAN-SFP+ER, and FG-TRAN-SFP+GC.
May 17, 2021	Updated note 1.
October 20, 2021	Added FN-TRAN-DSL.
November 30, 2021	Added FS-108F.
December 1, 2021	Updated the FS-TRAN-FX column (removed the 124F series and 148F series).
December 3, 2021	Added FN-TRAN-GC. Added FS-108F-POE, FS-108F-FPOE, FS-1024E, and FS-T1024E to the transceivers tables. Added support by FS-108E, FS-108E-POE, FS-108E-FPOE, FS-124E, FS-124E-POE, and FS-124E-FPOE for FS-TRAN-FX.
December 7, 2021	Added FS-1024E and FS-T1024E to the cables table.
December 15, 2021	Replaced FN-TRAN-GC (FCLF8522P2BTLFTN) with FN-TRAN-GC (LCP-1250RJ3SRTFN).
February 11, 2022	Updated the FS-T1024E row in each table. Removed FN-TRAN-SFP28-SR and FN-TRAN-SFP28-LR.
March 3, 2022	Added supported transceivers for the FS-124F, FS-124F-POE, FS-124F-FPOE, FS-148E, FS-148E-POE, FS-148F, FS-148F-POE, and FS-148F-FPOE models in the first table. Added supported transceivers for the FS-148E and FS-148E-POE models in the second table.
March 4, 2022	Updated the models supporting FG-TRAN-GC and FN-TRAN-DSL.
March 21, 2022	Corrected the models supporting FN-TRAN-GC (removed the support of FS-3032D and FS-3032E).
April 26, 2022	Removed the support of FS-1024E and FS-T1024E for FG-TRAN-QSFP-4SFP-5 and FG-TRAN-QSFP-4XSFP.
June 9, 2022	Added FR-TRAN-SX.
November 4, 2022	Added a second note ("The <code>set speed 1000auto</code> command is required when FN-TRAN-GC is used with a FortiSwitch unit.") to the second table.

CHANGE LOG	
December 12, 2022	<div>Added the following:</div> <ul style="list-style-type: none"><li>FN-CABLE-QSFP28-1/OPQS28-T-01-PEV</li><li>FN-CABLE-QSFP28-2/OPQS28-T-02-PEV</li><li>FN-CABLE-QSFP28-3/OPQS28-T-03-PEV</li><li>FN-CABLE-QSFP28-5/OPQS28-T-05-PEV</li><li>FN-CABLE-QSFP28-4SFP28-1/NDAQGF-FN01</li><li>FN-CABLE-QSFP28-4SFP28-3/NDAQGJ-FN03</li><li>FN-CABLE-QSFP28-4SFP28-5/NDAQGJ-FN05</li><li>FN-TRAN-SFP+ZR</li><li>FN-TRAN-QSFP+ER</li><li>FN-TRAN-QSFP28-ER</li><li>FN-TRAN-QSFP28-DR</li></ul> <div>Also added more manufacturing part numbers.</div>
January 25, 2023	Removed the support of FS-124F, FS-124F-POE, and FS-124F-FPOE for SP-CABLE-FS-SFP+3/OPSFPP-T-03-PEB and SP-CABLE-FS-SFP+5/OPSFPP-T-05-PAB. Removed the support of FS-148F, FS-148F-POE, and FS-148F-FPOE for SP-CABLE-FS-SFP+5/OPSFPP-T-05-PAB.
March 17, 2023	Added FN-TRAN-SFP+BD27 and FN-TRAN-SFP+BD33.
June 19, 2023	Added FN-CABLE-SFP+1, FN-CABLE-SFP+3, and FN-CABLE-SFP+5.
June 20, 2023	<div>Added the following:</div> <ul style="list-style-type: none"><li>FN-TRAN-QSFP28-BIDI-I/OPCW-WX1-85-CBN</li><li>FN-TRAN-QSFP28-BIDI/AFBR-89BDDZ</li><li>FN-CABLE-QSFP+1/NDAAEA-FN01</li><li>FN-CABLE-QSFP+3/NDAAEA-FN03</li><li>FN-CABLE-QSFP+5/NDAAED-FN05</li></ul>
June 23, 2023	Added FSR-424F-POE to the three tables.
August 1, 2023	Added the support of FS-1024E and FS-T1024E for FG-TRAN-QSFP-4XSFP and FG-TRAN-QSFP-4SFP-5.
October 13, 2023	Added FS-624F, FS-624F-FPOE, FS-648F, and FS-648F-FPOE to the three tables. Added FN-TRAN-SFP28-SR, FN-TRAN-SFP28-LR, FN-CABLE-SFP28-1, FN-CABLE-SFP28-3, and FN-CABLE-SFP28-5.
December 4, 2023	<ul style="list-style-type: none"><li>Added FS-2048F to the three tables.</li><li>Added the support of FSR-424F-POE for FS-TRAN-FX.</li><li>Added note 2 to the first table.</li><li>Added the support of FS-1024E and FS-T1024E for FN-CABLE-QSFP28-4SFP28-1 and FN-CABLE-QSFP28-4SFP28-3.</li><li>Added FN-TRAN-SFP2-SX and FN-TRAN-SFP2-LX.</li></ul>
December 14, 2023	Added the FS-6xxF support for FG-TRAN-LX, FG-TRAN-GC, FG-TRAN-SX, FS-TRAN-GC, FR-TRAN-ZX, FR-TRAN-SX, FN-TRAN-GC, FN-TRAN-SX, FN-TRAN-LX, and FN-TRAN-DSL.
January 24, 2024	Removed the support of FN-TRAN-SFP2-SX and FN-TRAN-SFP2-LX for FS-T1024E.
February 6, 2024	Added FN-TRAN-SFP-1BD10, FN-TRAN-SFP-1BU10, FN-TRAN-SFP-1BD40, and FN-TRAN-SFP-1BU40.
March 4, 2024	<ul style="list-style-type: none"><li>Added FN-TRAN-SFP+LRM and FN-TRAN-SFP+GC-T80.</li><li>Added note 3 for FN-TRAN-SFP2-SX and FN-TRAN-SFP2-LX.</li></ul>

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