

## Accessories

### Small Form-factor Pluggable (SFP) Modules

**Table 54 - SFP Modules**

Cat. No.	Description	Interface Connector	Wavelength (nm)	Core Size/Cladding Size (micron)	Modal Bandwidth (MHz/km)	Cable Length	Commercial <sup>(5)</sup> 0 ... +70 °C (+32 ... +158 °F)	Extended <sup>(5)</sup> -5 ... +85 °C (+23 ... +185 °F)	Industrial <sup>(5)</sup> -40 ... +85 °C (-40 ... +185 °F)	DOM <sup>(6)</sup>
1783-SFP100FX	100BASE-FX multimode fiber	Dual LC	1310	50/125	500	2 km (6562 ft)	—	—	Yes	Yes
				62.5/125	500					
1783-SFP100LX	100BASE-LX singlemode fiber	Dual LC	1310	G.652	—	10 km (32,808 ft)	—	—	Yes	Yes
1783-SFP100EXC	100BASE-EX singlemode fiber	Dual LC	1310	G.652 <sup>(4)</sup>	—	40 km (131,234 ft)	Yes	—	—	—
1783-SFP100ZXC	100BASE-ZX singlemode fiber	Dual LC	1550	G.652 <sup>(4)</sup>	—	80 km (262,467 ft)	Yes	—	—	—
1783-SFP100T <sup>(1)</sup>	100BASE-T copper	RJ-45	—	—	—	100 m (328 ft)	—	—	Yes	—
1783-SFP1GSX	1000BASE-SX multimode fiber	Dual LC	850	62.5/125	160	220 m (722 ft)	—	—	Yes	Yes
				62.5/125	200	275 m (902 ft)				
				50/125	400	500 m (1640 ft)				
				50/125	500	550 m (1804 ft)				
1783-SFP1GLX	1000BASE-LX/LH singlemode fiber	Dual LC	1310	G.652	—	10 km (32,808 ft)	—	—	Yes	Yes
1783-SFP1GEXE <sup>(2)</sup>	1000BASE-EX singlemode fiber	Dual LC	1310	G.652 <sup>(4)</sup>	—	40 km (131,234 ft)	—	Yes	—	Yes
1783-SFP1GZX <sup>(3)</sup>	1000BASE-ZX singlemode fiber	Dual LC	1550	G.652 <sup>(4)</sup>	—	70 km (229,659 ft)	—	—	Yes	Yes
1783-SFP1GTE	1000BASE-T copper	RJ-45	—	—	—	100 m (328 ft)	—	Yes	—	—
1783-SFP10GSRE	10GBASE-SR multimode fiber	Dual LC	850	62.5/125	160 (FDDI)	26 m (85 ft)	—	Yes	—	Yes
				62.5/125	200 (OM1)	33 m (108 ft)				
				50/125	400	66 m (216 ft)				
				50/125	500 (OM2)	82 m (269 ft)				
				50/125	2000	300 m (984 ft)				
				50/125	4700	400 m (1312 ft)				
1783-SFP10GLRE	10GBASE-LR singlemode fiber	Dual LC	1310	G.652 <sup>(4)</sup>	—	10 km (32,808 ft)	—	Yes	—	Yes

(1) The 1783-SFP100T module requires Stratix 5400 or 5410 firmware revision 3.001 or later, Stratix 5700 firmware revision 8.001 or later, or Stratix 8000 firmware revision 12.001 or later.

(2) The 1783-SFP1GEXE module operates on standard single-mode fiber-optic link spans of up to 40 km in length. For back-to-back connectivity, insert a 5-dB inline optical attenuator between the fiber-optic cable and the receiving port on the SFP module at each end of the link.

(3) When shorter distances of single-mode fiber (SMF) are used, you can avoid overloading the receiver by inserting an inline optical attenuator in the link. If the fiber-optic cable span loss is less than 8 dB, insert a 10-dB inline optical attenuator between the fiber-optic cable plant and the receiving port on the SFP module at each end of the link.

(4) ITU-T G.652 SMF as specified by the IEEE 802.3z standard.

(5) Once you install SFP modules in the switch, the overall temperature rating of the combined modules (switch and SFP modules) is limited to the lowest maximum temperature rating and the highest minimum temperature rating.

(6) Digital Optical Monitoring (DOM) is supported on the switches via the command-line interface (CLI).