



SFP Optical Transceivers

Small Form Pluggable Optical Modules



- LC Connectors
- Single-fiber, single-mode and multimode fiber
- Hot-pluggable with durable metal enclosure
- MSA SFF-8472 compliant
- Compatible with Cisco SFP-based routers and switches
- Enhanced digital diagnostic information
- 32F to 158F (0C to 70C) SFP case operating temperature

Perle SFP Optical Transceivers are interchangeable, compact media connectors and enable a single network device to connect to a wide variety of fiber and copper cable types and distances.

For use with [Perle SFP Media Converters](#) and third party equipment that supports SFP transceivers. Select a Model to obtain a Part Number. Or view Perle [10 Gigabit SFP+ and XFP Optical Transceivers](#).

SFP Model	Connector	Speed	Type	DOM / DMI	Temp	Transmit (dBm)		Receive (dBm)		Power Budget (dB)	Wave-length (nm)	Fiber Type	Core Size (um)	Modal Band-width (MHz Km)	Operating Distance
						Min	Max	Min	Max						
						PSFP-1000-M2LC05	Dual LC	1.25 Gbps	1000Base-SX Fibre Channel FICON						
													62.5	200	275 m (902 ft)
													50	400	500 m (1,640 ft)
													50	500	550 m (1,804 ft)
													50	2000	1000 m (3281 ft)
PSFP-1000D-M2LC05	Dual LC	1.25 Gbps	1000Base-SX Fibre Channel FICON	Yes	0 to 70C	-9.5	-4.0	-17.0	-3.0	7.5	850	MMF	62.5	160	220 m (722 ft)
													62.5	200	275 m (902 ft)
													50	400	500 m (1,640 ft)
													50	500	550 m (1,804 ft)
													50	2000	1000 m (3281 ft)
PSFP-2GD-M2LC03	Dual LC	up to 2.76 Gbps	1000Base-SX Fibre Channel FC-2 FICON GR253 SONET OC-48 G.957 SDH STM-16	Yes	0 to 70C	-10	-3	-18	-3	8	850	MMF	50	500	300 m (984 ft)
PSFP-4GD-M2LC05	Dual LC	Multi-Rate - 1.063 Gbps 2.125 Gbps 4.25 Gbps	1000Base-LX Fibre Channel FC-1,2,4 FICON	Yes	0 to 70C	-9	-2.5	-15	0	6	850	MMF	62.5	200	300 m (984 ft)
													50	500	500 m (1640 ft)
PSFP-1000-S2LC10	Dual LC	Dual Rate - 1.25 Gbps, 1.063 Gbps	1000Base-LX/LH Fibre Channel FC-1 FICON SONET OC-24-LR-1	No	0 to 70C	-9.5	-3.0	-21.0	-3.0	11.5	1310	MMF*	62.5	500	550 m (1,804 ft)
													50	400	550 m (1,804 ft)
													50	400	550 m (1,804 ft)
												SMF	**	-	10 km (6.2 mi)

PSFP-4GD-S2LC10	Dual LC	Multi-Rate - 1.063 Gbps 2.125 Gbps 4.25 Gbps	1000Base-LX Fibre Channel FC-1,2,4 FICON	Yes	0 to 70C	-8.0	0.0	-18.0	-3.0	10.0	1310	SMF	**	-	10,000 m (32,821 ft)
PSFP-2GD-S2LC20	Dual LC	up to 2.76 Gbps	1000Base-SX Fibre Channel FC-2 FICON GR253 SONET OC-48 G.957 SDH STM-16	Yes	0 to 70C	-5.0	0.0	-18.0	-3.0	13.0	1310	SMF	**	-	20,000 m (65,617 ft)
PSFP-100-M2LC2	Dual LC	155 Mbps	100Base-FX SONET OC-3 SDH STM-1	No	0 to 70C	-19.0	-14.0	-32.0	-14.0	13.0	1310	MMF	62.5 50.0	500	2km (1.2 mi)

Single Fiber Models (Recommended use in pairs)

SFP Model	Connector	Speed	Type	DOM / DMI	Temp	Transmit (dBm)		Receive (dBm)		Power Budget (dB)	Wave-length (nm)	Fiber Type	Core Size (um)	Modal Band-width (MHz Km)	Operating Distance
						Min	Max	Min	Max						
						PSFP-1000-S1LC10U	Single LC	Dual Rate - 1.25 Gbps, 1.063 Gbps	1000Base-BX10-U Fibre Channel FICON SONET OC-24-LR-1						
PSFP-1000-S1LC10D	Single LC	Dual Rate - 1.25 Gbps, 1.063 Gbps	1000Base-BX10-D Fibre Channel FICON SONET OC-24-LR-1	No	0 to 70C	-9.0	-3.0	-20.0	-3.0	11.0	1490 / 1310	SMF	**	-	10 km (6.2 mi)

*A mode-conditioning adapter as specified by the IEEE standard, is required regardless of the span length. Note how the mode conditioning adapter for 62.5-um fibers has a different specification from the mode-conditioning adapter for 50-um fibers.

**ITU-T G.652 SMF as specified by the IEEE 802.3z standard.