

Perle Systems

 perle.com/products/10g-optical-transceiver.shtml

10 Gigabit Optical Transceivers

SFP+ and XFP Pluggable Optical Modules

- 10 Gigabit SFP+ and XFP type
- Single-mode and multimode fiber
- Duplex LC connectors
- Hot-pluggable with durable metal enclosure
- MSA SFF-8472 compliant
- Compatible with 10G Cisco routers and switches
- Enhanced digital diagnostic information
- 32F to 158F (0C to 70C) Operating temperature



Perle 10 Gigabit Optical Transceivers are interchangeable, compact media connectors and enable a single network device to connect to a wide variety of fiber types and distances.

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

Model	Form Factor	Type	Power Cons. (watts)	Power Supply (Volts)	DOM / DMI	Transmit		Receive		Power Budget (dBm)	Wave-length (nm)	Fiber Type	Core Size (um)	Modal Bandwidth (MHz* Km)	Operating Distance
						(dBm)		(dBm)							
						Min	Max	Min	Max						
PSFP-10GD-M2LC008	SFP+	10GBase-SR	0.8	+3.3	Yes	-6.5	1.2**	-11.1	-1.0	4.6	850	MMF	62.5 (FDDI)	160	26 m (85 ft)
													62.5 (OM1)	200	33 m (108 ft)
													50	400	66 m (217 ft)
													50 (OM2)	500	82 m (269 ft)
													50 (OM3)	2000	300 m (984 ft)
PSFP-10GD-M2LC02	SFP+	10GBase-LRM	1.0	+3.3	Yes	-4.5 (in OMA)	1.5 (in OMA)	-6.0 (in OMA)	-	1.5	1310	MMF	62.5 (FDDI)	160	220 m (722 ft)
													62.5 (OM1)	200	220 m (722 ft)
													50	400	100 m (328 ft)
													50 (OM2)	500	220 m (722 ft)
													50 (OM3)	2000	220 m (722 ft)
PSFP-10GD-S2LC10	SFP+	10GBase-LR	1.5	+3.3	Yes	-7.2	0.5	-14.4	-	7.2	1310	SMF	**	-	10 Km (32,821 ft)

<u>PSFP-10GD-S2LC40</u>	SFP+	10GBase-ER	1.5	+3.3	Yes	-2.1 (in OMA)	-3.0	-14.1 (in OMA)	-1.0	12.1	1550	SMF	**	-	40 Km* (25 miles)
<u>PXFP-10GD-M2LC008</u>	XFP	10GBase-SR	1.5	+5, +3.3	Yes	-7.5	-1.0	-1.0	-9.9	6.5	850	MMF	62.5 (FDDI)	160	26 m (85 ft)
													62.5 (OM1)	200	33 m (108 ft)
													50	400	66 m (217 ft)
													50 (OM2)	500	82 m (269 ft)
													50 (OM3)	2000	300 m (984 ft)
<u>PXFP-10GD-S2LC10</u>	XFP	10GBase-LR	2.5	+3.3	Yes	-6.5	0.5	-14.5	0.5	8.0	1310	SMF	**	-	10 Km (32,821 ft)
<u>PXFP-10GD-S2LC40</u>	XFP	10GBase-ER	3.5	+5, +3.3	Yes	-1.0	2.0	-12.3	-	11.3	1550	SMF	**	-	40 Km* (25 miles)

* Links longer than 30 km for the same link power budget are considered engineered links as per IEEE 802.3ae

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

*** The launch power shall be the lesser of the class1 safety limit or the maximum receive power

Unless specified, transmitter and receiver power are in average values

The minimum fiber cable distance for all modules listed is 2 meters.

OMA (Optical Modulation Amplitude)

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