

Code	Luxcom Part No.	IEEE 802.3 Specification	Laser Source nm	Fiber Size µm	Optical TX > dBm	Optical RX > dBm	Optical Range km	Notes 1
<b>100BASE duplex fiber</b>								
H	SFP-100-FX	100BASE-FX	1310	50/125	-23	-32.5	2	
I	SFP-100-LX10	100BASE-LX10	1310	62.5/125	-19	-32.5	2	
J	SFP-100-LX10E	Proprietary	1310	9/125	-15	-25	15	
					-5	-35	60	2
<b>100BASE single fiber</b>								
K	SFP-100-BU	100BASE-BX10	1310	9/125	-14	-32.5	20	3
				62.5/125	-14	-32.5	1	
L	SFP-100-BD	100BASE-BX10	1550	9/125	-14	-32.5	20	3
<b>100/1000BASE duplex fiber</b>								
T	SFP-1G-LX-DR	1000BASE-LX	1310	9/125	-9.5	-23	15	
		Proprietary at 100M		62.5/125	-14	-32.5	2 at 100M	2
				62.5/125	-14	-32.5	1 at 1000M	
<b>1000BASE duplex fiber</b>								
A	SFP-1000-SX	1000BASE-SX	850	50/125	-9	-18	0.55	
				62.5/125	-9	-18	0.28	
B	SFP-1000-LX	1000BASE-LX/10	1310	9/125	-9	-20	10	
				50/125	-9	-20	1	4
				62.5/125	-9	-20	1	4
C	SFP-1000-LXE	Proprietary	1310	9/125	-3	-23	40	2
D	SFP-1000-ZX	Proprietary	1550	9/125	0	-23	80	2, 5
E	SFP-1000-ZXE	Proprietary	1550	9/125	0	-32	100	2, 5
<b>1000BASE single fiber</b>								
F	SFP-1000-BU	1000BASE-BX10	1310	9/125	-9	-20	20	3
G	SFP-1000-BD	1000BASE-BX10	1550	9/125	-9	-20	20	3
<b>10GBASE duplex fiber</b>								
U	SFP-10G-SR	10GBASE-SR	850	OM3	-6	-11.1	0.3	
V	SFP-10G-LR	10GBASE-LR	1310	9/125	-8	-14.4	10	
W	SFP-10G-ER	10GBASE-ER	1550	9/125	-1	-16	40	
X	SFP-10G-ZR	10GBASE-ZR	1550	9/125	0	-23	80	5
<b>10GBASE single fiber</b>								
Y	SFP-10G-BXU	Proprietary	1330	9/125	-2	-14	10	2, 3
Z	SFP-10G-BXD	Proprietary	1270	9/125	-2	-14	10	2, 3

### Notes:

- 1 The optical range is for typical fibers.
- 2 Proprietary SFPs should interface with similar SFPs.
- 3 Single-fiber SFPs must be used as complimentary pairs (one BU and one BD).
- 4 A mode conditioning patch cord with multimode fiber is recommended.
- 5 The optical receive may overload with this SFP.
  - It requires: a 15dB attenuator if fiber is 0-5km,
  - a 10dB attenuator if fiber is 5-25km,
  - a 5dB attenuator if fiber is 25-45km.

The **Code** letter is used as a short-hand identifier in Luxcom's shipping part number. Specifications are subject to change without notice.

Singlemode fiber is recommended for new installations.

CWDM SFPs as well as CWDM multiplexers are available through Luxcom. These allow multiple full speed data streams to co-exist on the same fiber. Since there are many possible permutations of wavelengths they are special order items. Contact Luxcom if you have this requirement.

The SFP modules supplied by Luxcom have digital diagnostics which enable the modem's bar graph to display the received optical power. SFPs without digital diagnostics may be used, but the power meter will not work. Luxcom modules are recommended to ensure compatibility.

### Ordering SFPs

Luxcom Modems are sold without SFPs - they are a separate order item.

When placing an order, specify the SFP using the **Luxcom Part No.**

**Example: 2 pieces SFP-1000-SX**

Email [Sales@luxcom.com](mailto:Sales@luxcom.com) for price and delivery.

This document is located at [Luxcom SFPs.](#)