**1000BASE-SX SFP for Multimode Fiber Only**

The 1000BASE-SX SFP, compatible with the IEEE 802.3z 1000BASE-SX standard, operates on legacy 50 µm multimode fiber links up to 550 m and on 62.5 µm Fiber Distributed Data Interface (FDDI)-grade multimode fibers up to 220 m. It can support up to 1km over laser-optimized 50 µm multimode fiber cable.

## Quick Specs

**Table 1 shows the Quick Specs.**

| | |
|---|---|
| **Product Code** | GLC-SX-MM |
| **Connector Type:** | LC multi-mode |
| **Cabling Type:** | Ethernet 1000Base-SX |
| **Compliant Standards:** | IEEE 802.3z |
| **Connectivity Technology:** | Wired |
| **Data Link Protocol:** | Gigabit Ethernet |
| **Data Transfer Rate:** | 1 Gbps |
| **Features:** | Full duplex capability , Hot swap module replacement |
| **Form Factor:** | Plug-in module |
| **Max Transfer Distance:** | 1800 ft |
| **Optical Wave Length:** | 850 nm |
| **Networking Type:** | SFP (mini-GBIC) transceiver module |

# Specification

The industry-standard Cisco Small Form-Factor Pluggable (SFP) Gigabit Interface Converter is a hot-swappable input/output device that plugs into a Gigabit Ethernet port or slot, linking the port with the network (Figures 1, 2 and 3). SFPs can be used and interchanged on a wide variety of Cisco products and can be intermixed in combinations of 1000BASE-T, 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-EX, 1000BASE-ZX, or 1000BASE-BX10-D/U on a port-by-port basis.
SFP Port Cabling Specifications

| Product | Wavelength (nm) | Fiber Type | Core Size (µm) | Modal Bandwidth (MHz* Km)*** | Operating Distance (m) |
|---|---|---|---|---|---|
| 1000BASE-SX | 850 | MMF | 62.5 | 160 (FDDI-grade) | 220 (722 ft) |
| | | | 62.5 | 200 (OM1) | 275 (902 ft) |
| | | | 50 | 400 (400/400) | 500 (1,640 ft) |
| | | | 50 | 500 (OM2) | 550 (1,804 ft) |
| | | | 50 | 2000 (OM3) | 1000 (3281 ft) |