

Multimode 1.25G 850nm

Variants

100M MM 550M MM

Details

The **1.25G SFP Multimode Optical Transceiver** is a high-performance, hot-pluggable optical module designed for Gigabit Ethernet applications. Operating at **850nm wavelength**, it supports transmission distances up to **550 meters** over multimode fiber and provides reliable optical connectivity for enterprise networks, ISPs, data centers, and telecom infrastructure.

Featuring a standard **SFP form factor** and **Duplex LC interface**, this module offers excellent compatibility with switches, routers, media converters, OLTs, and other networking equipment supporting 1000BASE-SX Ethernet standards.

Data Rate

1.25 Gbps

Wavelength

850nm

Distance

550m

Connector

Duplex LC

Key Features

? Supports 1.25Gbps Gigabit Ethernet Transmission

? 850nm Multimode Optical Technology

? Transmission Distance up to 550m

? Duplex LC Optical Interface

? Hot-Pluggable SFP Form Factor

? Compatible with OM2, OM3 & OM4 Fiber

? Low Power Consumption Design

? Suitable for Enterprise & Data Center Networks

Technical Specifications

| Category | Specification |
|---------------------|-------------------------------|
| Product Type | 1.25G SFP Optical Transceiver |

| Category | Specification |
|------------------------------|--|
| Application | Gigabit Ethernet (1000BASE-SX), ISP, Data Center, Enterprise |
| Form Factor | SFP (Hot-Pluggable) |
| Data Rate | 1.25 Gbps |
| Operating Wavelength | 850 nm |
| Transmission Distance | Up to 550 m |
| Fiber Type | Multimode Fiber (OM2 / OM3 / OM4) |
| Fiber Size | 50/125 μm |
| Connector Type | Duplex LC |
| Optical Interface | Duplex Fiber |
| Power Supply | 3.3V DC |
| Power Consumption | Low Power Design |
| Ethernet Standard | 1000BASE-SX |
| Compliance | CE, FCC, RoHS |

Applications

Gigabit Ethernet Networks

Data Center Connectivity

Enterprise Fiber Networks

ISP Network Infrastructure

Switch-to-Switch Fiber Links

Router & Server Fiber Connectivity

Note:

For optimal performance, use high-quality OM2, OM3, or OM4 multimode fiber patch cords and ensure LC connector end-faces are properly cleaned before installation.