

**Gigabit 100M SFP28
optical module**

SF510M-LC-100M

Product Brochure

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Product Introduction :

SF510M-LC-100M Small Form Factor Pluggable (SFP) transceivers are compatible with the Small Form Factor Pluggable Multi-Sourcing Agreement (MSA). The transceiver consists of four sections: the LD driver, the limiting amplifier, The VCSEL laser and the PIN photo-detector. The module data link up to 850m in 50/125um multi mode fiber.



Key Features:

- **Up to 25.78Gbps Data Links**
- **Maximum link length of 70m links on OM3 or 100m links on OM4 multimode fiber**
- **Power dissipation < 1W**
- **VSCEL laser and PIN receiver**
- **Metal enclosure, for lower EMI**
- **2-wire interface with integrated Digital Diagnostic monitoring**
- **Hot-pluggable SFP+ footprint**
- **Specifications compliant with SFF 8472**
- **Compliant with SFP+ MSA with LC connector**
- **Single 3.3V power supply**
- **Case operating temperature range: Commercial: 0°C to +70°C**

Specifications:

System Specifications	parameter
Package Type	SFP28
Maximum transfer rate	25.78Gbps
Wavelength	850nm
Maximum transmission distance	100m
Fiber Type	Multimode
Interface Type	LC Duplex
DDM	Support
Supply voltage	3.3V
Operating temperature	0°C-70°C (commercial grade)
Warranty	2years

Main Applications

- 25G Ethernet
- Data center and Fiber channel