

MA-SFP-10GB-LRM Meraki Compatible Multi-mode SFP+ Transceiver

Features

- ◆ Operating data rate up to 10.3Gbps
- ◆ 1310nm FP-LD Transmitter
- ◆ Distance up to 220m with MMF
- ◆ Single 3.3V Power supply and TTL Logic Interface
- ◆ Hot Pluggable
- ◆ Duplex LC Connector Interface
- ◆ Built-in digital diagnostic functions
- ◆ Operating Case Temperature
Standard: 0°C to 70°C
- ◆ Compliant with SFP+ MSA Specification SFF-8431
- ◆ Compliant with MSA SFP+ Specification SFF-8431
- ◆ Compliant with IEEE 802.3aq 10GBASE-LRM



Applications

- ◆ 10GBASE-LRM 10G Ethernet
- ◆ Other optical links

Product Description

MA-SFP-10GB-LRM compatible series single mode transceiver is small form factor pluggable module for serial optical data communications such as 1X2X4X8 Fiber Channel, IEEE 802.3aq 10GBASE-LRM. It is with the SFP+ 20-pin connector to allow hot plug capability.

This module is designed for single mode fiber and operates at a nominal wavelength of 1310 nm. The transmitter section uses a 1310nm FP laser and is a class 1 laser compliant according to International Safety Standard IEC-60825. The receiver section uses an integrated InGaAs detector preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC.

Absolute Maximum Ratings

| Parameter | Symbol | Min | Typ | Max | Unit | Ref. |
|---------------------|--------|------|-----|-----|------|------|
| Storage Temperature | TS | -40 | | 85 | °C | |
| Supply Voltage | VCC | -0.5 | | 3.6 | V | |

Recommended Operating Conditions

| Parameter | Symbol | Min | Typ | Max | Unit | Ref. |
|----------------------------|--------|------|-----|-------|-------|------|
| Operating Case Temperature | TA | 0 | | +70 | °C | |
| Power Supply Voltage | VCC | 3.15 | 3.3 | 3.45 | V | |
| Power Supply Current | ICC | | | 350 | mA | |
| Surge Current | ISurge | | | +30 | mA | |
| Baud Rate | | | | 10.31 | GBaud | |

Additional Information

For more information about our SFP modules, contact:

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