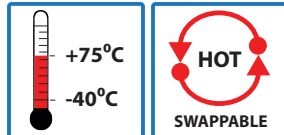


SMALL FORM-FACTOR PLUGGABLE OPTIC DEVICES



OPTIC DEVICES



FEATURES

- Built-in spring latch for easy module removal
- Wide temperature range (-40 to +75°C)
- Hot swappable
- Transmission distances from 550 meters to 60Km
- Available in both 2-fiber LC and 1-fiber SC connectors
- Low electromagnetic interference (FCC Part 15, Class B) for clear communications
- Meets FDA & IEC eye safety standards
- Complaint with MSA standard specifications

DESCRIPTION

Meridian's DigiNET Ethernet products are complemented with this diverse selection of Small-Form Pluggable (SFP) optical transceiver modules. These SFP modules plug directly into the Meridian products with SFP ports. These devices include media converters, managed and unmanaged switches and are available for use in Fast Ethernet and GigE applications. Versions are available with 1 or 2 multimode or singlemode fibers and have a selection of either LC (2 fiber units) or SC (1 fiber units) optical connectors. Transmission distances from 550 meters to 60Km are also available with select SFP modules. Industrial rating ensures exceptional performance and reliability even in the most demanding environments.

SPECIFICATIONS

Meridian Model #	Speed	Optical								Distance
		Fiber*	Wavelength Tx (nm)	Launch Power (dBm)	Wavelength Rx (nm)	Rx Sensitivity (dBm)	Budget (dBm)	Fibers	Connector	
MM1313F2	155Mbps	MM	1310	-19	1310	-31	11	2	LC	2km
MM1315F2	155Mbps	MM	1310	-15	1550	-30	15	1	SC	2km
MM1513F2	155Mbps	MM	1550	-15	1310	-30	15	1	SC	2km
SM1313F20	155Mbps	SM	1310	-15	1310	-31	16	2	LC	20km
SM1313F40	155Mbps	SM	1310	-14	1310	-34	20	2	LC	40km
SM1313F60	155Mbps	SM	1310	-5	1310	-34	29	2	LC	60km
SM1315F20	155Mbps	SM	1310	-12	1550	-33	21	1	SC	20km
SM1513F20	155Mbps	SM	1550	-12	1310	-33	21	1	SC	20km
SM1315F40	155Mbps	SM	1310	-8	1550	-33	25	1	SC	40km
SM1513F40	155Mbps	SM	1550	-8	1310	-33	25	1	SC	40km
SM1315F60	155Mbps	SM	1310	-5	1550	-34	29	1	SC	60km
SM1513F60	155Mbps	SM	1550	-6	1310	-34	28	1	SC	60km
MM8585G	1.25Gbps	MM	850	-9	850	-17	8	2	LC	550 Meters**
MM1315G	1.25Gbps	MM	1310	-10	1550	-17	7	1	SC	550 Meters**
MM1513G	1.25Gbps	MM	1550	-10	1310	-17	7	1	SC	550 Meters**
SM1313G20	1.25Gbps	SM	1310	-6	1310	-22	16	2	LC	20km
SM1313G40	1.25Gbps	SM	1310	-2	1310	-24	22	2	LC	40km
SM1313G60	1.25Gbps	SM	1550	-5	1550	-24	19	2	LC	60km
SM1315G20	1.25Gbps	SM	1310	-8	1550	-22	14	1	SC	20km
SM1513G20	1.25Gbps	SM	1550	-8	1310	-22	14	1	SC	20km
SM1315G40	1.25Gbps	SM	1310	-3	1550	-23	20	1	SC	40km
SM1513G40	1.25Gbps	SM	1550	-3	1310	-23	20	1	SC	40km
SM1315G60	1.25Gbps	SM	1310	-1	1550	-26	25	1	SC	60km
SM1513G60	1.25Gbps	SM	1550	-3	1310	-26	23	1	SC	60km

* Multimode fiber needs to meet or exceed fiber standard ITU-T G.651. Single mode fiber needs to meet or exceed fiber standard ITU-T G.652.

** 550m using 50/125µm fiber; 300m using 62.5/125µm fiber.

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J.