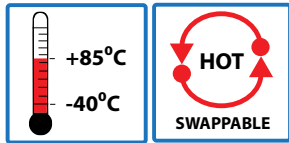


COPPER SMALL FORM-FACTOR PLUGGABLE MODULES

COPPER MODULES



FEATURES

- Support 100BASE-T Operation in Host Systems or 10/100/1000 BASE-T operation in host systems with SGMII interface.
- 100m Reach Over UTP Cat5 Cable
- Hot-Pluggable SFP Footprint
- Fully Metallic Enclosure for Low EMI
- Low Power Dissipation (1.05W Typical)
- Compact RJ-45 Connector Assembly
- Access to Physical Layer IC via 2-Wire Serial Bus
- Detailed Product Information in EEPROM
- Compliant with SFP MSA
- Industrial case temperature range (-40°C +85°C)
- Compliant with IEEE Std 802.3-2002

APPLICATIONS

- LAN 10/100/1000Base-T
- Gigabit Ethernet over Cat 5 Cable
- Switch to Switch Interface
- Router/Server Interface

DESCRIPTION

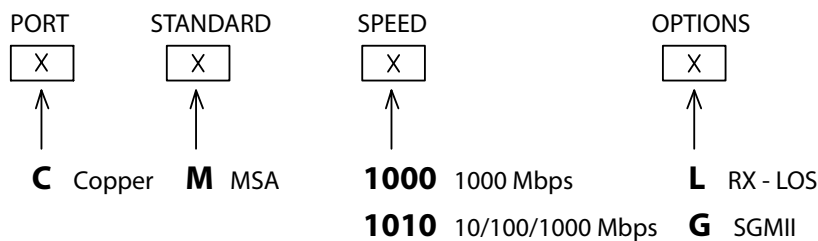
Meridian Copper SFP modules fully support 100BASE-T or 10/100/1000BASE-T auto-negotiation and can be installed into optical SFP slots of compatible Meridian's transmission products. This allows a typical media converter to become a copper Ethernet extender.

The RJ45 Transceivers are compatible with Gigabit Ethernet and 1000BASE-T standards.

The Copper SFP modules are hot-swappable in Meridian's supported units and allow the user to easily change them on site with no disruption to other associated equipment. They also provide a level of on-site technology-proof for upgrading systems while keeping the upgrade costs to a minimum.

Meridian's SpectraSmart™ system monitoring software, provides additional system monitoring features of the Copper SFP to help monitor their performance. See the SpectraSmart™ brochure for additional details.

PART NUMBER GUIDE



03/04/2015 V.1

THIS GUIDE IS FOR REFERENCE ONLY AND NOT INTENDED TO BE A PART NUMBER CREATING TOOL.
 NOT ALL COMBINATIONS ARE AVAILABLE. ALL PART NUMBERS ARE LISTED BELOW.

SPECIFICATIONS

Meridian Model #	Package	Data Rate Range	Distance Range	Connector	Interface	Link Indicator	Case Temperature Range
1000BASE-T							
CM1000L	Copper SFP	1000 Mbps	100 m	RJ-45	SerDes	RX-LOS	Industrial
10/100/1000BASE-T							
CM1010	Copper SFP	10/100/1000 Mbps	100 m	RJ-45	SerDes	none	Industrial
CM1010L	Copper SFP	10/100/1000 Mbps	100 m	RJ-45	SerDes	RX-LOS	Industrial
CM1010G	Copper SFP	10/100/1000 Mbps	100 m	RJ-45	SGMII	none	Industrial