

S20-2MLC-2

SFP-Port 100Base-FX Mini GBIC Transceiver (1310nm) - 2Km - MM

Overview

The UTC Fire & Security transceiver module is specifically designed to accommodate high-performance optical fiber, including integrated duplex data link over multi mode. Compliant with the SFP Multisource Agreement (MSA), these transceiver modules feature hot-plug capability for easy installation without interrupting host equipment operating online. The SFP Mini GBIC transceiver can install into UTC Fire & Security switch products with 100Base-FX or 1000Base-SX/LX SFP interface.



Details

- SFP multi-source agreement compliant
- Data rate 100Mbps
- Class 1 laser safety standard IEC 60825 compliant
- LC duplex receptacle
- Low power dissipation
- Plug-and-play capability for easy installation
- Hot Pluggable
- 0°C to +50°C operation temperature
- TTL signal detect indicator
- Single power supply 3.3V
- Comply with the IEEE 802.3ab

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Technical specifications

General

Category	SFP
Port type	Multi Mode
No. of fibers	2
Port speed	Fast
Wavelength	1310 nm
Maximum distance	2 km
Number of Fibers :	2
Fiber Type :	Multi-Mode
Max. Distance :	2km
TX \ RX Wavelength :	1310nm \ 1310nm
TX Wavelength	1310nm
Connector :	LC
PHY Type :	100Base-FX
Power (dBm)	-20 ~ -14
RX Sen. (dBm)	-32
Power Budget	12

Environmental

Operating temperature 0 to +50°C

Electrical and Mechanical

Input Voltage	3.3V DC
Dimensions (W x D x H)	2.20 x 0.59 x 0.49 in. (59 x 15 x 12.4 mm)
Weight (ounces, grams)	0.6 oz, 18g
Storage Temperature	-40 ~ 85° C
Relative Humidity	5% ~ 95% (non-condensing)
Reliability	>50,000 hrs @ 25° C

Transmitter Electro-Optical Interface

EMI	EN 55022 CLASS A:2006+A1 : 2007 / EN61000-3-2:2006 / EN61000-3-3: 1995+A1:2001+A2:2005
Optical Output Power :	Min. : -20dBm, Type : - , Max. : -14dBm
Power Budget :	12
Receiver :	-32dBm

Environmental Specifications

Operating Temperature : 0°C~+50°C

Operating Relative Humidity :	5%~95% (non-condensing)
Storage Temperature :	-40°C~+85°C
Storage Relative Humidity :	5%~95% (non-condensing)

Electrical Specification

Input Voltage :	3.3V DC
AS/NZS CISPR 22 :	2006

Reliability

MTBF :	> 50,000 hrs @ 25°C
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Standards Conformance

Standards Compliance : IEEE 802.3ab Fast Ethernet Standard

Standards Compliance : Class 1 laser product complies with EN 60825-1

