

# S40-2SLC-10

## 10G SFP Transceiver Module (1310nm) - 10 km - Single Mode

### Overview

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The IFS family of Small Form-factor Pluggable (SFP) Transceiver Modules are designed for high performance integrated duplex data transmission over optical fiber. These SFP transceiver modules are compliant with the industry's SFP Multi-source Agreement (MSA) standard.

The IFS SFP Transceiver Modules offer the ability to enable the SFP ports on any Ethernet equipment that have a built-in SFP Mini-GBIC interface. These modules are hot-swappable without any interruption of the host equipment operation.

These SFP modules are available in 100Base-FX/BX or 1000Base-TP/FX/BX configurations allowing for use of either one fiber or two fiber transmission over single mode or multi-mode optical fiber. The 10 Gigabit SFP+ modules are available for single mode and multi-mode fiber for use in IFS switches that support 10G SFP+ slots for highbandwidth switch trunking and communication links.

Additionally, certain SFPs are available as wide-temperature versions for use in industrial equipment deployed in harsh environments.



### Details

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- 10G optical uplink
- SFP multi-source agreement compliant
- Up to 10 km transmission distance on single mode fiber
- 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 +70°C operation temperature
- TTL signal detect indicator
- Single power supply 3.3V

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### Technische specificaties

#### General

|                    |                     |
|--------------------|---------------------|
| Category           | SFP                 |
| Port type          | Single Mode         |
| No. of fibers      | 2                   |
| Port speed         | 10G                 |
| Wavelength         | 1310 nm             |
| Maximum distance   | 10 km               |
| Reliability (MTBF) | >50,000 hrs @ 25° C |

#### Electrical

|                   |         |
|-------------------|---------|
| Operating voltage | 3.3 VDC |
|-------------------|---------|

#### Physical

|                     |                                                                     |
|---------------------|---------------------------------------------------------------------|
| Physical dimensions | 59 x 15 x 12.4 mm (W x D x H)<br>2.20 x 0.59 x 0.49 in. (W x D x H) |
| Net weight          | 18 g<br>0.6 oz                                                      |

#### Environmental

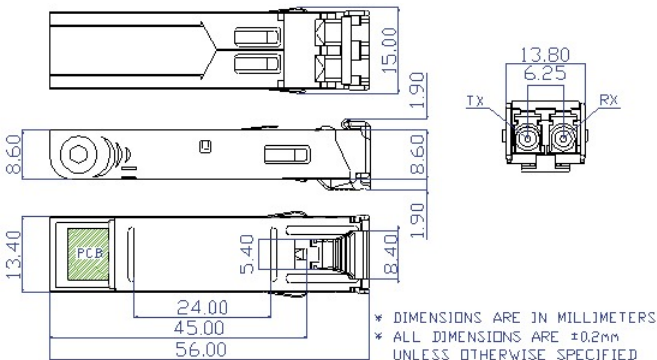
|                       |                           |
|-----------------------|---------------------------|
| Operating temperature | 0 to 70°C                 |
| Storage temperature   | -40 to 85°C               |
| Relative humidity     | 5 to 95% (non-condensing) |

#### Regulatory

|            |                                                |
|------------|------------------------------------------------|
| Compliance | CE, FCC                                        |
|            | Class 1 laser product complies with EN 60825-1 |

#### Transmitter Electro-Optical Interface

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| EMI                  | EN 55022 CLASS A:2006+A1 : 2007 /<br>EN61000-3-2:2006 / EN61000-3-3:<br>1995+A1:2001+A2:2005 |
| Optical output power | -8.0dBm (ave.)                                                                               |
| Power budget         | 10dB                                                                                         |



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