TRANSCEIVER - SFP, Reflection Immue Operation, FE/GE, 1550nm, SM, Simplex LC, 40km, 3.3V, DMI



Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%

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SFP with Reflection Immune Operation, 1000Base-LX/100Base-FX, 1550nm single fiber single mode (Simplex SC) [40km/24.9mi.,] Link Budget: 20.0 dB

Product Description

The TN-SFP-BC55 is an intelligent device in Small Form Factor (SFP) with integrated OTDR (Optical Time-Domain Reflectometer) function. As a part of Transition Networks Smart SFP family, it offers the simple way of assessment or monitoring the status of the physical fiber infrastructure. The deployment of this capability could be in a single-ended manner, or both ends as required.

Transition Networks switches, NIDs and Media Converters have started to offer the function of monitoring and reporting the fiber fault by simply plugging in the TN-SFP-BC55 and TN-SFP-BC55-I optical transceivers. Whenever a disconnect or breakage occurs in the fiber connected to one of the Transition Networks devices equipped with TN-SFP-BCxxxx, the device can automatically alert the loss of signal or distance to the fault to the IT administrator.

SFP with Reflection Immune Operation, 1000Base-LX/100Base-FX, 1550nm single fiber single mode (Simplex SC) [40km/24.9mi.,] Link Budget: 20.0 dB

Features

- 1.25Gbps/125Mbps bi-directional data link
- Compliant with IEEE 802.3z 1000Base-LX & IEEE 802.3 100Base-FX
- Single +3.3V Power Supply
- RoHS Compliant (all models)
- MSA Compliant
- Integrated OTDR (Optical Time-Domain Reflectometer) function
- Integrated Reflection Immune Operation

- Any Network Type

- SFF-8472 Digital Diagnostic Function (DMI)
- 55 dB Dynamic Range for the OTDR
- Dead Zone of 30 meters or less
- Resolution of 10 meters or Better
- Accuracy of 50 meters or Better
- Class 1 Laser International Safety Standard IEC 60825 Compliant

Show product on manufacturers website: https://www.lantronix.com/products/

Technical Data

Specifications

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Product variants & accessories

Art.-No.	Description
TN-SFP-BC55	TRANSCEIVER - SFP, Reflection Immue Operation, FE/GE, 1550nm, SM, Simplex LC, 40km, 3.3V, DMI

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