

# DIGITUS® HP-compatible mini GBIC (SFP) Module, 1.25 Gbps, 20km, with DDM Feature

DN-81004-01

EAN 4016032391555



## 1.25 Gbps SFP Module, Singlemode, BiDi, HP-comp. LC Simplex, Tx1550nm/Rx1310nm, up to 20km, HP

The DIGITUS® mini GBIC (SFP) transceiver modules offer highest quality and reliability. Whether from switch to switch, converter to switch, converter to converter or any else application: The wide product range of DIGITUS® modules makes possible a flexible usage of the fiber technology. The conformity to the MSA (Multi Source Agreement) standard ensures a compatibility to third party manufacturers.

### The plug and play fiber connection

- HP compatible
- HP-Aruba compatible
- Mini GBIC SFP (Small Form Factor Pluggable) module
- Supports DDM (Digital Diagnostic Monitoring)
- Bidirectional WDM Module - Only one fiber is needed
- High quality and excellent reliability
- 1.25 Gbps Maximum Data Rate
- Compliant to IEEE 802.3z Gigabit Standard
- Class 1 laser product compliant with EN 60825-1
- Easy plug-and-play installation
- MSA (Multi Source Agreement) compliant
- Hot pluggable
- Connector: 1x LC Simplex
- Wavelength: Tx 1550nm / Rx 1310nm
- Transmission Power: Minimum -5 dBm, Maximum 0 dBm

- Sensitivity receiving power: minimum -24 dBm
- For a Distance of up to 20km
- Suitable for OM3/OM4 Singlemode Fiber Cables
- Safe fast-locking mechanism
- 3.3V power supply
- Suitable Module for Opposite Side: DN-81003
- Operating temperature: 0 °C ~ 70 °C
- Compatible with the following manufacturers: Allied Telesis, Allnet, Avaya, CISCO, D-Link, Edimax, FINISAR, FORCE 10, Gigamon, Intellinet, KTI Networks, Level One, PLANET, Tenda, TP-Link, TRENDnet, Mikrotik, ENTERASYS, RIVERSTONE, Unifi, Ubiquiti, ZyXEL, ZTE

### Attributes

- Mode: Singlemode
- Connector: LC
- Distance (km): 20
- Wavelength: 1550/1310 nm
- DDM Support: yes
- Broadcasting Mode: Bidirectional
- Manufacturer compatibility: HP, Universal (MSA)
- Ethernet speed: Gigabit

### Package contents

- SFP module

| Logistics                    |              |             |            |            |             |           |
|------------------------------|--------------|-------------|------------|------------|-------------|-----------|
|                              | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³       |
| Packaging Unit Carton        | 200          | 8.50        | 50.00      | 29.00      | 54.50       | 79,025.00 |
| Packaging Unit Inside        | 1            | 0.04        | 11.60      | 5.50       | 3.00        | 191.40    |
| Packaging Unit Single        | 1            | 0.04        | 11.50      | 5.50       | 3.00        | 189.75    |
| Net single without Packaging | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00      |

## A photograph showing a 10G SFP+ transceiver module and a blue LC fiber optic cable connector. The module is a small, rectangular, silver-colored component with a green label and a green fiber optic port. The cable connector is a blue plastic component with a clear lens.

| STP Modules    |                 |            |          |                  |            |                       |                    |
|----------------|-----------------|------------|----------|------------------|------------|-----------------------|--------------------|
| Product Number | EMM Code        | Serial     | Distance | Connector        | Wavelength | Operating Temperature | Industrial Version |
| STP-100        | STP100000000000 | 100-000000 | 2 km     | LC to MPO (6x24) | 1310nm     | -5 to +75 °C          |                    |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to MPO (6x24) | 1310nm     | -5 to +75 °C          |                    |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 1310nm     | -5 to +75 °C          |                    |
| <b>Signal</b>  |                 |            |          |                  |            |                       |                    |
| STP-100        | STP100000000000 | 100-000000 | 2 km     | LC to MPO (6x24) | 850nm      | -5 to +75 °C          |                    |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to MPO (6x24) | 850nm      | -5 to +75 °C          |                    |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 850nm      | -5 to +75 °C          |                    |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 1310nm     | -5 to +75 °C          |                    |
| STP-100        | STP100000000000 | 100-000000 | 80 km    | LC to SFP (6x24) | 1310nm     | -5 to +75 °C          |                    |
| <b>10G</b>     |                 |            |          |                  |            |                       |                    |
| STP-100        | STP100000000000 | 100-000000 | 2 km     | LC to MPO (6x24) | 850nm      | -5 to +75 °C          |                    |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 1310nm     | -5 to +75 °C          |                    |
| <b>10G PoE</b> |                 |            |          |                  |            |                       |                    |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 1310nm     | -40 to +85 °C         | ✓                  |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 850nm      | -40 to +85 °C         | ✓                  |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 1310nm     | -40 to +85 °C         | ✓                  |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 850nm      | -40 to +85 °C         | ✓                  |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 1310nm     | -40 to +85 °C         | ✓                  |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 850nm      | -40 to +85 °C         | ✓                  |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 1310nm     | -40 to +85 °C         | ✓                  |
| STP-100        | STP100000000000 | 100-000000 | 20 km    | LC to SFP (6x24) | 850nm      | -40 to +85 °C         | ✓                  |

- Avoid direct contact with light sources: Fiber optic cables, especially those with active light sources such as lasers (e.g. in optical communication systems), can emit dangerous radiation that can damage
- eyes. Take care never to look directly into the light of an optical fiber, even if the light source is invisible to the naked eye.
- When working with fiber optic cables, especially during tests or when working with lasers, protective goggles should always be worn to protect against harmful radiation.
- When plugging and unplugging the cable, only grasp the plug and do not pull directly on the cable.
- Do not kink or crush: Fiber optic cables are sensitive to mechanical stress.
- To protect cables from physical damage, they should be laid in special ducts or with protective materials
- Keep cable connectors clean: Fiber optic cables are sensitive to dust and dirt. Even small particles on the connectors can severely impair the signal quality.
- Cables should not be used in environments with extremely high or very low temperatures. Observe the product information on the maximum operating temperature of the cable
- Check cables regularly for visible damage

EU based economic operator ensuring the product complies with the required regulations.

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