

# DIGITUS® mini GBIC (SFP) Module, 1.25 Gbps, 20km

DN-81001

EAN 4016032305668



## 1.25 Gbps SFP Module, Singlemode LC Duplex Connector, 1310nm, up to 20km

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

- Mini GBIC SFP (Small Form Factor Pluggable) module
- 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
- 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 Duplex
- 1000Base-LX - For Long Haul
- Wavelength: 1310nm
- Transmission power: minimum -8 dBm, maximum -3 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
- Operating temperature: 0 °C ~ 70 °C

### Attributes

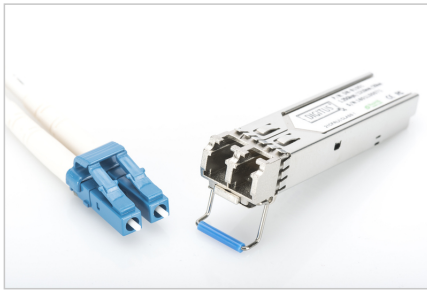
- Mode: Singlemode
- Connector: LC
- Distance (km): 20
- Wavelength: 1310 nm
- DDM Support: no
- Broadcasting Mode: Unidirectional
- Manufacturer compatibility: Universal (MSA), Cisco
- Ethernet speed: Gigabit

### Package contents

- SFP module

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
Packaging Unit Carton	240	8.50	50.00	29.00	54.50	79.03
Packaging Unit Inside	30	1.06	7.00	20.00	30.00	4.20
Packaging Unit Single	1	0.04	9.00	12.00	3.00	324.00
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

**More images:**



SFP Modules							
Product Number	EMC Code	Speed	Distance	Connector	Wavelength	Operating Temperature	Industrial Version
<b>Full Duplex</b>							
Dsh1000	401000000000	100 Gbps	2 km	LC Multimode Duplex	100nm	0 to 70 °C	
Dsh1002	401000000002	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	0 to 70 °C	
Dsh1004	401000000004	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	0 to 70 °C	
<b>Single</b>							
Dsh1006	401000000006	100 Gbps	200m	LC Multimode Duplex	850nm	0 to 70 °C	
Dsh1008	401000000008	100 Gbps	200m	LC Singlemode Duplex	850nm	0 to 70 °C	
Dsh1010	401000000010	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	0 to 70 °C	
Dsh1012	401000000012	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	0 to 70 °C	
Dsh1014	401000000014	100 Gbps	80 km	LC Singlemode Duplex	1550nm	0 to 70 °C	
<b>SR</b>							
Dsh1016	401000000016	100 Gbps	200m	LC Multimode Duplex	850nm	0 to 70 °C	
Dsh1018	401000000018	100 Gbps	10 km	LC Singlemode Duplex	1310nm	0 to 70 °C	
<b>Industrial Version</b>							
Dsh1019	401000000019	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	-40 to 85 °C	✓
Dsh1020	401000000020	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	-40 to 85 °C	✓
Dsh1021	401000000021	100 Gbps	200m	LC Singlemode Duplex	1310nm	-40 to 85 °C	✓
Dsh1022	401000000022	100 Gbps	200m	LC Singlemode Duplex	1550nm	-40 to 85 °C	✓
Dsh1023	401000000023	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	-40 to 85 °C	✓
Dsh1024	401000000024	100 Gbps	200m	LC Singlemode Duplex	750nm/850nm/905nm	-40 to 85 °C	✓

**Safety notes**

- 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 responsible person**

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

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