

**CODE:** **GBIC-201** v1.0/l **EN**  
**NAME:** **SFP+ GBIC-201 module, single-mode 10G 1310nm (LC) 10KM DOM (TORNADO)**

**Features:**

- supported fiber type - single-mode
- transmission speed up to 10 Gb/s (IEEE 802.3ae 10GBASE-LR/LW)
- transmission range: up to 10 km
- optical connector type – LC
- integrated Digital Optical Monitoring (DOM)
- warranty – 2 years



**DESCRIPTION**

SFP+ (Small Form-factor Pluggable) modules, commonly referred to as GBIC (Gigabit Interface Converter), are modules that convert electrical signals into optical signals.

The GBIC-201 Tornado module is designed for duplex transmission over single-mode (SM) fiber optic cable at distances of up to 10 km. It operates at a TX wavelength of 1310 nm and supports a transmission speed of 10 Gb/s. LC connector with bail clasp latch to prevent accidental disconnection.

**TECHNICAL DATA**

<b>Optical fiber type:</b>	single-mode
<b>Transmission speed:</b>	10 Gb/s
<b>Transmission range:</b>	do 10 km
<b>Connector Type:</b>	LC
<b>Wavelength Tx:</b>	1310 nm
<b>Wavelength Rx:</b>	1310 nm
<b>Tx power / Rx sensitivity:</b>	-6...0 / ≥ -14,4 dB
<b>Standards and protocols:</b>	IEEE 802.3ae 10GBASE-LR/LW
<b>Digital Diagnostics:</b>	DOM
<b>Operating temperature:</b>	-40... 85°C
<b>Working humidity:</b>	0...85%
<b>Power supply:</b>	DC 3,3V (power from SFP port)
<b>Warranty:</b>	2 years

**APPLICATION**

The SFP+ module features an integrated Digital Optical Monitoring (DOM) system that allows the user to monitor key operational parameters of the module in real time. These parameters include power supply voltage, temperature, transmit optical power, and receive optical power.

The module is designed for use in devices from various manufacturers that do not implement locking mechanisms. It is compatible with devices from TP-LINK, among others. This SFP module will not function with devices from manufacturers that employ locking mechanisms.

**Proper communication with other devices requires the use of the GBIC-201 module.**

