

CODE: **GBIC-205** v1.0/l **EN**
NAME: **SFP+ GBIC-205 module, single-mode, 10G 1330/1270nm (LC) 20KM 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 20 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.

GBIC-205 Tornado module is designed for transmission over single-mode (SM) fiber optic cable at distances of up to 20 km. It operates at a TX wavelength of 1330 nm, a RX wavelength of 1270 nm, and supports a transmission speed of 10 Gb/s. LC connector with bail clasp latch to prevent accidental disconnection.

TECHNICAL DATA

Optical fiber type:	single-mode
Transmission speed:	10 Gb/s
Transmission range:	do 20 km
Connector Type:	LC
Wavelength Tx:	1330 nm
Wavelength Rx:	1270 nm
Tx power / Rx sensitivity:	-3...5 / $\geq -12,6$ dB
Standards and protocols:	IEEE 802.3ae 10GBASE-LR/LW
Digital Diagnostics:	DOM
Operating temperature:	-40... 85°C
Working humidity:	0...85%
Power supply:	DC 3,3V (power from SFP port)
Warranty:	2 years

APPLICATION

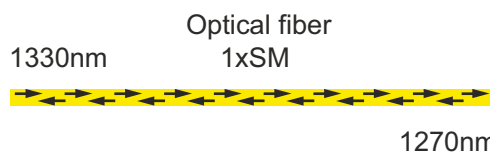
The SFP+ module features an integrated Digital Optical Monitoring (DOM) system that allows the user to monitor key operational parameters of the module in real time. These parameters include power supply voltage, temperature, transmit optical power, and receive optical power.

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-206 module.



GBIC-205



GBIC-206

