

SFP-1000Base-BX-45

1.25 Gb/s bi-directional 1490/1550 SFP transceiver family

DESCRIPTION

The SFP-1000Base-BX-45 transceivers are fully compliant with the latest industrial SFP Multi-Source Agreement (MSA) and IEEE 802.3ah for Gigabit Ethernet 1000Base-BX. They support data rate at 1.25 Gbps and are suitable for Gigabit Ethernet applications. The transceivers operate bi-directionally on single fiber at wavelengths of 1490 nm and 1550 nm. The modules are hot pluggable and come in two variants for 80 and 120 km transmission on SM fiber.

APPLICATIONS

- Gigabit Ethernet
- FTTx

FEATURES

- Up to 120 km transmission on SM fiber
- 1490nm/1550nm operation
- Compliant to SFP MSA and SFF-8472
- Serial ID functionality
- Digital Diagnostics Monitoring
- Hot-Pluggable SFP footprint
- Simplex LC interface for bi-directional operation
- Operating temperature 0°C to 70°C



OPTICAL PARAMETERS

Part no.	SM/M M Fiber	Wavelength [nm] TX/RX	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-GE-BX80D-45	SM	1490/1550	0 to 5	-26 to -3	26
SFP-GE-BX80D-54	SM	1550/1490	0 to 5	-26 to -3	26
SFP-GE-BX120D-45	SM	1490/1550	0 to 5	-31 to -9	31
SFP-GE-BX120D-54	SM	1550/1490	0 to 5	-31 to -9	31

ORDERING INFORMATION

Part no.	Description
SFP-GE-BX80D-45	SFP BiDi, 1.25Gbps GigE, DDM, SM, TX1490/RX1550, 80km, 26dB
SFP-GE-BX80D-54	SFP BiDi, 1.25Gbps GigE, DDM, SM, TX1550/RX1490, 80km, 26dB
SFP-GE-BX120D-45	SFP BiDi, 1.25Gbps GigE, DDM, SM, TX1490/RX1550, 120km, 31dB
SFP-GE-BX120D-54	SFP BiDi, 1.25Gbps GigE, DDM, SM, TX1550/RX1490, 120km, 31dB