

SFP (Small Form-Factor Pluggable) Transceiver



Product Overview

TTECH small form-factor pluggable (SFP) is a compact, hot-pluggable transceiver used for both telecommunication and data communications applications. SFP with DDM enable user to monitor parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage, in real time. SFP transceivers are designed to support SONET, Gigabit Ethernet, Fibre Channel, and other communications standards.

Features

- Complied with SFP MSA
- Hot-pluggable
- Digital Diagnostics Monitoring (DDM)
- + 3.3V DC power supply
- LC Duplex optical interface
- Operating case temperature: 0 to +70°C
- Very low EMI and ESD protection
- Standard measurement for universal suitability (H:8.5mm, W:13.4mm, D: 56.5mm)

Advantages

- SONET/SDH Network
- Gigabit Ethernet
- 1x/2x Fiber Channel
- Point-to-point networking
- Metro Access Rings
- Switches/bridges/routers/servers
- LAN, SAN (local, storage area networks)
- High-speed computer links
- Switching system

Specification

External model	Central wavelength	Fiber type	Fiber diameter	Transmission distance	Connector index		
					Output optical power	Receiving sensitivity	Optical saturation
TT0C-SFP-SX-MM850-55/275	850 nm	MMF	50/125 μ m	550 m (1804.46 ft)	-9.5 dBm to 0 dBm	≤ -17 dBm	≤ -3 dBm
			62.5/125 μ m	275 m (902.23 ft)			
TT0C-SFP-LX-SM1310-10	1310 nm	SMF	9/125 μ m	10 km (6.21 miles)	-9.5 dBm to -3 dBm	≤ -19 dBm	≤ -3 dBm
TT0C-SFP-LH-SM1310-40	1310 nm	SMF	9/125 μ m	40 km (24.86 miles)	-2 dBm to +5 dBm	≤ -22 dBm	≤ -3 dBm
TT0C-SFP-LH-SM1550-40	1550 nm	SMF	9/125 μ m	40 km (24.86 miles)	-4 dBm to +1 dBm	≤ -21 dBm	≤ -3 dBm
TT0C-SFP-LH-SM1550-70	1550 nm	SMF	9/125 μ m	70 km (43.50 miles)	-4 dBm to +2 dBm	≤ -22 dBm	≤ -3 dBm
TT0C-SFP-LH-SM1550-100	1550 nm	SMF	9/125 μ m	100 km (62.14 miles)	0 dBm to 5 dBm	≤ -30 dBm	≤ -9 dBm

Ordering Information

Part Number	Description
TT0C-SFP-SX-MM850-55/275	SFP 1.25G MM LC 550 m
TT0C-SFP-LX-SM1310-10	SFP 1.25G SM LC 10 km (1310nm)
TT0C-SFP-LH-SM1310-40	SFP 1.25G SM LC 40 km (1310nm)
TT0C-SFP-LH-SM1550-40	SFP 1.25G SM LC 40 km (1550nm)
TT0C-SFP-LH-SM1550-70	SFP 1.25G SM LC 70 km (1550nm)
TT0C-SFP-LH-SM1550-100	SFP 1.25G SM LC 100 km (1550nm)