

# Finisar FCLF8520P2BTL Datasheet



Finisar FCLF8520P2BTL 1000BASE-T 100m Gen2 RJ-45 Copper SFP Optical Transceiver

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FCLF8520P2BTL 1000BASE-T Copper Small Form Pluggable (SFP) transceivers are based on the SFP Multi Source Agreement (MSA). They are compatible with the Gigabit Ethernet and 1000BASE-T standards as specified in IEEE Std 802.3. The optical transceiver is RoHS compliant as described in Application Note AN-2038. The 1000BASE-T physical layer IC (PHY) can be accessed via I2C, allowing access to all PHY settings and features.

## Features

- Up to 1.25Gb/s bi-directional data links
- Hot-pluggable SFP footprint
- Fully metallic enclosure for low EMI
- RoHS compliant
- Low power dissipation (1.05 W typical)
- Compact RJ-45 connector assembly
- Access to physical layer IC via 2-wire serial bus
- 10/100/1000 BASE-T operation in host systems with SGMII interface
- Extended case temperature range: -40°C to 85°C

## Applications

- 1.25 Gigabit Ethernet over Cat 5 cable

## Specifications

- Distance: 100 m
- Data Rate (max): 1.25 Gb/s
- Protocol: 1000Base-T Compliant
- Low End Case Temperature (°C): -40
- High End Case Temperature (°C): 85
- Diagnostics: N/A
- Transmitter: N/A
- Receiver: N/A
- Voltage Supply: 3.3
- Connector: RJ-45

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