

10G SFP+ 1550nm Duplex LC

Variants

10km 20km 40km

Details

The **10G SFP+ 1550 nm Duplex LC Transceiver** is a high-performance, hot-pluggable optical module designed for 10 Gigabit Ethernet and Fiber Channel applications. Operating at a **1550 nm wavelength** with a **duplex LC interface**, this SFP+ module provides reliable long-distance fiber connectivity for data center, campus, and metropolitan network environments.

Key Features

Data Rate: Up to **10.3125 Gbps** for 10 G Ethernet and related protocols

Optical Wavelength: **1550 nm** (C-band), optimized for lower attenuation and long reach

Connector Type: **Duplex LC** — compact and industry-standard

Form Factor: **SFP+ (Small Form-Factor Pluggable Plus)**

Reach: Typically supports **10 km to 80 km+** (depending on fiber type and system design)

Fiber Type: **Single-mode fiber (SMF)**

Hot Pluggable: Enables insertion and removal without powering down the host system

Low Power Consumption: Efficient for high-density deployment

DDM/DOM Support: Digital Diagnostic Monitoring for real-time optical performance feedback (optional)

RoHS Compliant: Environment-friendly design