

# 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