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# PRODUCT BRIEF

## J4859x-C

## HP Compatible 1000Base-LX SFP Transceiver with DDM Function



### Features:

- Up to 1.25 Gb/s Data Links
- Hot-pluggable SFP footprint
- 1310 nm Fabry-Perot laser transmitter
- DDM function
- Transmission distance up to 20km
- Duplex LC connector
- Low power dissipation
- Compliant with MSA SFP Specification
- Digital diagnostic monitoring Interface is compliant with SFF-8472
- RoHS compliance

### Product Description:

This HP compatible small form factor hot pluggable fiber optic transceiver is designed for single-mode fiber (SMF) and operates at a nominal wavelength of 1310 nm. It provides standard AC coupled CML for high speed signals and LVTTTL control and monitoring of signals. This optical transceiver consists of two sections: the transmitter uses a 1310 nm Fabry-Perot (FP) laser, the receiver section uses an integrated InGaAs detector preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC. In addition, the transceiver is compliant with SFP Multi-Source Agreement (MSA) Specification and SFF-8472.

## Applications :

- Gigabit Ethernet (1000Base-LX) Links at 1.25 Gbps
- Fibre Channel Switch
- Metro Edge Switching
- XDSL application

## Product specifications:

Maximum Data Rate	1.25 Gbps
Wavelength	1310 nm
Fibre Type	SMF
Connector Type	LC
Distance	20km
Power Supply	3.3 V
Operating Temperature	0 °C to 70 °C (Commercial), -40 °C to 85 °C (Industry), -5 °C to 85 °C (Extended)
Cabling Type	Ethernet 1000Base-LX
Status Indicators	Link activity, link OK
Provided Interfaces	1 x network - Ethernet 1000Base-LX - LC single-mode x 2
Compatible Slots	1 x SFP (mini-GBIC)
Dimensions	5.80 x 1.30 x 1.30 cm
Weight	0.0168 kg