

# Intel FTLX1471D3BCV-IT Datasheet



Genuine Intel 1.25-10.31Gbps 10GBase-LR SMF 10km Transceiver Module

FTLX1471D3BCV-IT

The Intel FTLX1471D3BCV-IT 1G/10G Dual-Rate SFP+ transceivers are designed for use in 1-Gigabit and 10-Gigabit Ethernet links up to 10km over singlemode fiber. They are compliant with SFF-8431, IEEE 802.3-2005 10GBASE-LR/LW and 1000BASE-LX. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472. This product is for applications specifically designed for 10G SFP+ ports and 1G/10G SFP+ ports and not native 1G SFP ports. The FTLX1471D3BCV-IT is a "limiting module", i.e., it employs a limiting receiver. Host board designers using an EDC PHY IC should follow the IC manufacturer's recommended settings for interoperating the host board EDC PHY with a limiting receiver SFP+ module. The optical transceivers are compliant per the RoHS Directive 2011/65/EU. See Finisar Application Note AN-2038 for more details.

## Features

- Genuine Intel FTLX1471D3BCV-IT
- Hot-pluggable SFP+ footprint
- Supports rate selectable 1.25 Gb/s or 9.95 to 10.3 Gb/s bit rates
- Power dissipation < 1W
- RoHS-6 compliant (lead-free)
- Commercial temperature range -5°C to 70°C
- Single 3.3V power supply
- Maximum link length of 10km
- Uncooled 1310nm DFB laser

- Receiver limiting electrical interface
- Duplex LC connector
- Built-in digital diagnostic functions

## Applications

- 1000BASE-LX 1G Ethernet
- 10GBASE-LR/LW 10G Ethernet

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