

# Finisar FTL4S1QE1C Datasheet



Finisar FTL4S1QE1C 40GE SWDM4 QSFP+ Optical Transceiver Module

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This Finisar FTL4S1QE1C QSFP+ transceiver modules are designed for use in 40 Gigabit Ethernet links over duplex multimode fiber. They are compliant with the QSFP+ MSA1,2 and IEEE 802.3ba XLPI electrical interface. Digital diagnostics functions are available via an I2C interface, as specified by the QSFP+ MSA. The optical transceiver is compliant per the RoHS Directive 2011/65/EU. See Finisar Application Note AN-2038 for more details.

## Features

- Hot-pluggable QSFP+ form factor
- 240m operation over duplex OM3 MMF (350m over OM4, 440m over OM5)
- Supports 41.2 Gb/s aggregate bit rates
- Uncooled 4x10Gb/s SWDM transmitter
- Built-in SWDM mux and demux
- Power dissipation < 2.5W
- Commercial case temperature range 0°C to 70°C
- XLPI electrical interface
- Duplex LC receptacles
- Built-in digital diagnostic functions, including Tx/Rx power monitoring

## Specifications

- Brand: II-VI / Finisar
- Part Number: FTL4S1QE1C
- Product: Transceivers
- Wavelength: 850 nm, 880 nm, 910 nm, 940 nm
- Data Rate: 41.2 GBd
- Fiber Type: Multimode
- Rise Time: -
- Emitting Source: Laser
- Operating Supply Voltage: 3.3 V
- Minimum Operating Temperature: 0 C
- Maximum Operating Temperature: + 70 C
- Application: Ethernet
- Connector Type: LC
- Transmission Distance: 350 m

## Applications

- 40G Ethernet over duplex MMF
- Allows upgrades from 10GBASE-SR without changing fiber plant

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