FINISAR®

Key Features

▶ Compact and portable design for field use with any laptop

▶ No external power required (powered off laptop USB port)

▶ User Friendly GUI allows for tuning by Wavelength, Frequency, or Channel Number

▶ Able to wavelength tune an SFP+ or XFP module with the same box

Applications

▶ Used for setting the Wavelength or Channel on Finisar's Tunable XFP and Tunable SFP+ products

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FDB-1048 Wavelength Tuning Evaluation Board

Overview

The FDB-1048 is a USB-connected interface unit for T-XFP and T-SFP+ transceivers. Access to the I2C interface of the transceiver, as well as interfacing some other hardware signals such as MOD_ ABS, RX_LOS and TX_DISABLE is possible via a PC connection. This connection is made through USB 2.0, via Windows built-in HID driver. A proprietary protocol controls and communicates with the processor in the FDB-1048 from the different PC applications.

It has a convenient small and robust design, which together with the simple USB-only powered solution, makes it the perfect tool also for using in field applications. Applications include Part number and Serial number (PID) readouts and tuning a Tunable XFP or SFP+ transceiver.

The three LEDs on the front panel represent (bottom-top): "Module Present", "Activity" and "RX LOS".

Parameter	Value
Size	30 mm (H) x 81 mm (W) x 167 mm (D)
Weight	0.3 kg
Operating Temp	0 °C to +45 °C (32 °F to 113 °F)
Compliance	XFP MSA
Interface	One XFP Port, Hot-pluggable; one SFP+ Port, Hot-pluggable
Management Port	USB 2.0 (High-power device)
Supply Voltage	5V (USB)
Power Consumption	< 1W (without transceivers)
Max Power Consumption	5W (with dual-input USB mating cable, USB only delivers 2.5W)
Visual Indicators	3 LED status indicators (Green) for "Module Present", "Activity" and "RX LOS"