



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

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”

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