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LTB-12 rackmount platform

READY FOR INDUSTRY 4.0



PART OF THE
EXFO | FTB ecosystem

SPEC SHEET

The LTB-12 is a powerful, scalable, 12-slot rackmount platform designed for advanced lab and manufacturing applications.

KEY FEATURES AND BENEFITS

Dedicated to optical modules: Specifically designed to meet optical applications' most demanding requirements

Flexible and scalable: Compact 4U solution with high-level module density for in-rack or tabletop applications

Hot swappable: Intelligent module with hot-swap capability, enabling a quick transition from platform to platform, or from rackmount platform to portable platform without powering down

Industrial-grade computer design: Simple, easy-to-use design powered by a quad-core processor with the Microsoft operating system

Out-of-band management: Optimal remote access for maintenance or initial setup using the Intel® Active Management Technology (Intel® AMT)

Connectivity: USB 3.0, LAN and AMT port for maximum connectivity options

Increased performance and data reliability: RAID 1 mirroring for redundancy and data protection

Automation: Power and flexibility to run automation software and protocol scripts without an external personal computer

Multi-user sharing: Efficient utilization of test resources and minimization of capital expenditures (CAPEX)

RELATED PRODUCTS



Optical power meter
FTBx-1750



Optical light source
FTBx-2150/2250



Variable attenuator
FTBx-3500



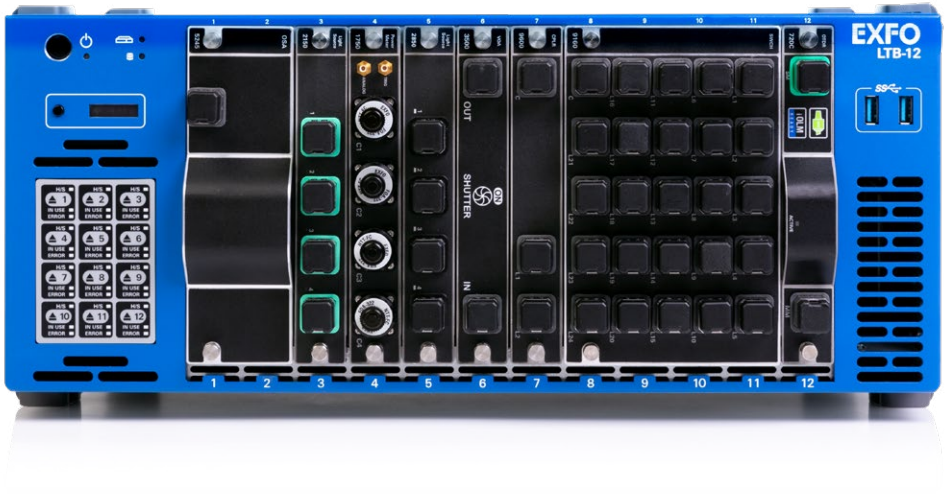
Optical switches
FTBx-9150/9160



Optical spectrum analyzers
FTBx-5245/5255/
5243-HWA

EXFO'S LTB-12 PLATFORM

The LTB-12 first-in-class platform is a versatile solution addressing numerous optical measurement applications. Whether in the design lab or during the manufacturing process, the LTB-12 provides users with added versatility and power for today's complex optical systems.



DO MORE!

The Windows 10 operating system allows for a wide choice of third-party applications and supports an extensive range of USB devices.

› Start faster and multitask

› Use the Office suite

› Connect to printers, cameras, keyboards, mice, and more

Bring your own apps

Share your desktop (e.g., using TeamViewer)	Antivirus software	Communicate via email and over-the-top (OTT) apps	Record and automate actions	Share files via cloud-based storage

OPTICAL TEST MODULES

HIGH-PERFORMANCE POWER METER



FTBx-1750

› Fast, accurate and flexible power measurements in a platform-based solution
› Remote measurement head for high-power readings

VARIABLE ATTENUATOR



FTBx-3500

› Ideal for transceiver testing and system verification in demanding 24/7 production environments
› Power monitoring and BER testing

OPTICAL SWITCHES



FTBx-9150/9160

› Provide highly accurate and repeatable fiber-to-fiber switching
› MEMs-based design or opto-mechanical models available
› From 1x2 up to 1x32 configurations

OPTICAL SPECTRUM ANALYZERS



FTBx-5245/FTBx-5255

Delivers a full range of spectral analysis capabilities for testing lasers, transmitter optical subassemblies (TOSAs), transmitters or full optical systems



FTBx-5243-HWA

High wavelength accuracy optical spectrum analyzer for DWDM, CWDM and DWDM over CWDM networks

UTILITY MODULE



FTBx-9600

› The utility module can integrate couplers and splitters into the LTB-12 platform
› 1x2 up to 1x8 couplers with various ratios

LIGHT SOURCES



FTBx-2150

Single or multiwavelength, multimode LED diodes and singlemode DFB lasers for insertion loss and optical return loss testing



FTBx-2250

Broadband light source, covering all bands required for telecommunication applications and PON testing



FTBx-2850

µITLA continuous wave (CW) tunable laser with a high-power output, narrow linewidth and high-resolution tunability for coherent/OFDM transmission and WDM network emulation

OTDR MODULES



FTBx-720C

Ideally designed OTDR for everyday field testing in any access network. With an iOLM application for both singlemode and multimode testing, it's the most automated and intelligent troubleshooting tool for FTTA, LAN and data centers



FTBx-730C

Seamlessly characterize splitters in PON FTTx and MDU applications



FTBx-735C

High-resolution OTDR designed for metro network testing and splitter characterization in PON FTTx applications



FTBx-750C

High dynamic range combined with high resolution for highly accurate fiber characterization

FIBER CONNECTOR INSPECTION AND CERTIFICATION—THE ESSENTIAL FIRST STEP



100%
automated [a]

1-step
process [a]

57%
shorter test time [b]

Taking the time to properly inspect a fiber-optic cable can prevent a slew of problems down the line–saving you time, money and headaches.

FIP-430B | The first fully automated fiber inspection probe for the field
Housing a unique automatic focus adjustment system, the FIP-430B automates each operation in the connector endface inspection sequence, transforming this critical process into one quick and easy step, which can be performed by technicians of all skill levels.

Three models to fit your budget

FEATURES	Basic FIP-410B	Semi-automated FIP-420B	Fully automated FIP-430B
Three magnification levels	√	√	√
Image capture	√	√	√
Five-megapixel CMOS capturing device	√	√	√
Automatic fiber image-centering function	X	√	√
Automatic focus adjustment	X	X	√
Onboard pass/fail analysis	X	√	√
Pass/fail LED indicator	X	√	√

Read the FIP-400B specification sheet or visit EXFO.com/keepthefocus for more information.

SOFTWARE TEST TOOLS

These platform-based software testing tools enhance the value of the LTB-12 platform, providing additional monitoring and inspection testing capabilities.



Software applications—ConnectorMax2

Providing lightning-fast results in the first step of fiber-link testing, ConnectorMax2 is a powerful platform-based, automated inspection application; it delivers quick pass/fail assessment of connector end faces and is specifically designed to save both time and money in the field and in the lab.

Intel® Active Management Technology (Intel® AMT)

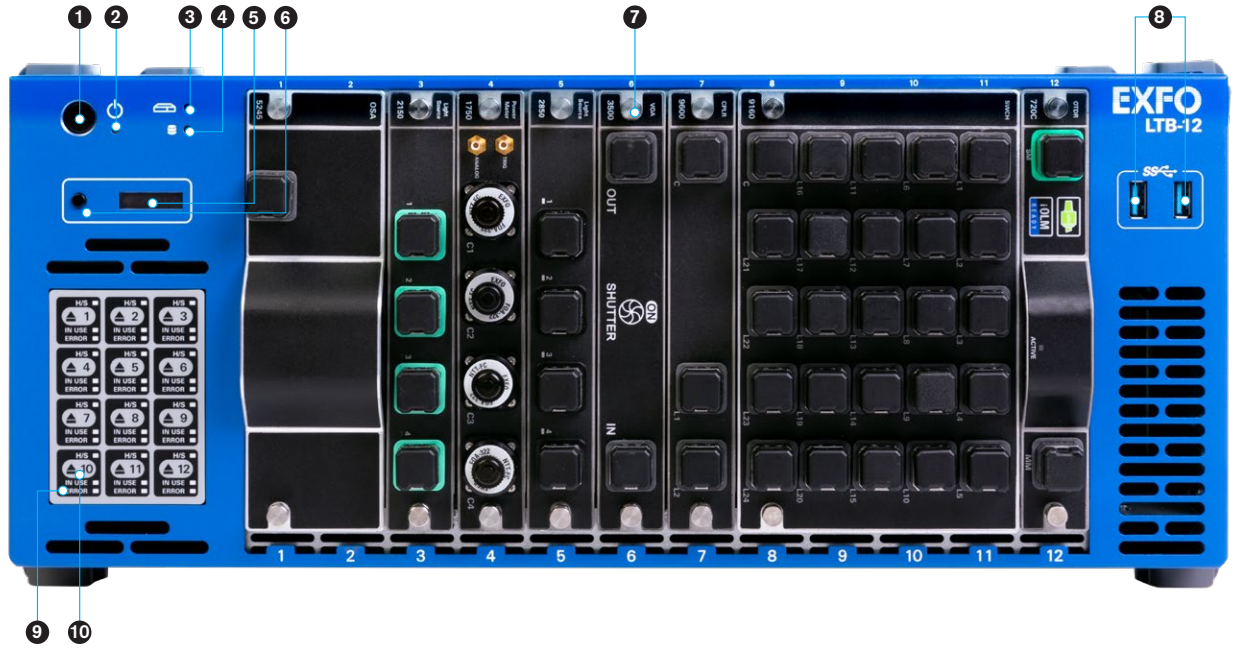
Remotely manage the platform (out-of-band management) without being dependent on the operating system or the state of the unit. The AMT Web-based application simplifies the out-of-the-box experience and, as an open-source solution, allows programmable remote troubleshooting recovery with extended capabilities and increased effectiveness.

a. Model FIP-430B only.
b. Data sourced from EXFO's case study, with calculation based on typical analysis time.

ADAPTED FOR DEDICATED APPLICATIONS. DEDICATED TO HELPING YOU ADAPT.

Thanks to its small format, ultra-powerful processing and highly intuitive interface, the LTB-12 is optimized to enable lab users to carry out dedicated optical and photonic integrated circuit (PIC) test applications simply and efficiently.

1. Power button
2. Power LED
3. Status LED
4. Hard disk LED
5. System information display
6. Display activation button
7. Module slots (12 available in total)
8. USB 3.0 ports (2)
9. Module status LEDs
10. Module eject button
11. Ethernet ports (2)
12. USB 3.0 ports (4)
13. Video port (VGA)
14. Video port (HDMI)
15. Microphone port
16. Audio port
17. Grounding lug
18. Hard disk drive bays (2)
19. Power supply





SPECIFICATIONS [a]

Mainframe	Quad-core Intel processor / 8 GB RAM / Windows 10	
Interfaces	› RJ45 LAN 10/100/1000 Mbit/s ports (2) › USB 3.0 ports (6)	› HDMI and VGA video ports › Headset and microphone ports
Storage	128 GB SSD	
Power supply	AC input: 100 V – 240 V⁓ ; 50/60 Hz; 10 – 4.2 A	

GENERAL SPECIFICATIONS

Size (H x W x D) [b]	199 mm × 459 mm × 436 mm (7 $^{13}/_{16}$ in x 18 $^{1}/_{16}$ in x 17 $^{3}/_{16}$ in)
Weight	16.2 kg (35.6 lb)
Temperature Operating Storage	 0 °C to 40 °C (32 °F to 104 °F) –40 °C to 70 °C (–40 °F to 158 °F)
Relative humidity	0 % to 80 % non-condensing

ACCESSORIES

GP-130	GPIB cable (6 feet/2 meters)	GP-2259	Benchtop feet pads
GP-2016	RJ45 LAN cable (10 feet)	GP-2296	19-inch rackmount brackets (kit of 2)
GP-2256	FTBx module slot blank cover	GP-3109	23-inch rackmount shelf
GP-2258	USB to GPIB adapter		

LASER SAFETY



a. All specifications valid at room temperature.

b. Size only includes feet and not rackmount bracket. Rackmount configuration will fit inside 4U, 19-inch bay.

ORDERING INFORMATION

LTB-12-XX-XX-XX

Additional hard drive
00 = Without extra hard drive
RHD = RAID drive (128 GB SSD)

Inspection probe base tips [a]
APC = Includes FIPT-400-U25MA and FIPT-400-SC-APC
UPC = Includes FIPT-400-U25M and FIPT-400-FC-SC

Inspection probe models
00 = Without inspection probe

FP410B = Digital video inspection probe [b]
Triple magnification

FP420B = Analysis digital video inspection probe [b]
Automated pass/fail analysis
Triple magnification
Autocentering

FP430B = Automated analysis digital video inspection probe [b]
Automated focus
Automated pass/fail analysis
Triple magnification
Autocentering

Example: LTB-12-RHD-FP430B-APC

a. Available if inspection probe is selected. For more information concerning all available optional tips, please visit www.EXFO.com/FIPtips.

b. Includes ConnectorMax2 software.

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