LTB-8 rackmount platform

BRING POWER TO YOUR LAB

PART OF THE
EXFO | FTB ecosystem

EXFO TFv
Test function virtualization

EXFO | MULTILINK

EXFO Connect
compatible

SPEC SHEET

The LTB-8 is a powerful, scalable, eight-slot rackmount platform designed for advanced lab and manufacturing applications.

KEY FEATURES AND BENEFITS

Two configurations: Stand-alone or managed infrastructure for simultaneous multi-user control

Flexible and scalable: Compact 3U 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, Sync 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 AND APPLICATIONS

Fiber inspection probe
FIP-400B (USB)

400G-to-800G multiservice testing
FTBx-88460 / LTK8-800G

100G multiservice test module
FTBx-88260NGE

Multi-user interface
EXFO Multilink

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

EXFO'S LTB-8 PLATFORM

The LTB-8 first-in-class platform is a versatile solution addressing numerous transport and datacom applications. Whether in the design lab or during the manufacturing process, the LTB-8 provides users with added versatility and power for today's complex network.

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

TRANSPORT AND DATACOM MULTISERVICE TEST MODULES

FTBx-88260 Power Blazer

- 40G/100G CFP4 and QSFPx high-speed module
- Fully loaded, Ethernet testing including 10 GigE, RFC 6349 and EXFO's iSAM for 100G testing
- OTN multistage, multiplexing testing capabilities with ODU0 and ODUflex support
- Up to FC16X Fibre Channel true wire-speed traffic generation and monitoring

FTBx-88460 Power Blazer

- 400G testing at its best, LTB-8 support dual FTBx-88460 modules for 800G testing requirements
- State-of-the-art Open Transceiver System (OTS) designed for full flexibility with current and future transceivers
- Supports 4xQSFP28 ports, CFP8, QSFP-DD and OSFP interfaces

FTBx-8870/FTBx-8880 Power Blazer

- Fully loaded, Ethernet testing including 10 GigE dual ports, OTN, RFC 6349 and EXFO's iSAM for 100G testing
- SONET/SDH, DSn/PDH, ISDN PRI, FTTA, Fibre Channel and packet synchronization

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-8 platform, providing additiona monitoring and inspection testing capabilities.

Wireshark—Third-party test tools

This live-network packet-capture utility makes it possible to look “inside” the packets and obtain data such as transmission time, source, destination, protocol type, etc. Users can then diagnose a problem or root out suspicious behavior.

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.

EXFO Remote ToolBox

The Remote ToolBox application remotely controls T&D modules installed on the platform using a remote PC and an Ethernet connection.

Automate asset management. Push test data in the cloud. Get connected.

EXFO Connect

EXFO Connect pushes and stores test equipment and test-data content automatically in the cloud, allowing you to streamline test operation from build-out to maintenance.

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

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SOFTWARE TEST TOOLS (CONT'D)

ConnectorMax

ConnectorMax2—Software applications

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.

EXFO TFv
Test function virtualization

EXFO TFv

EXFO TFv—Test Function Virtualization is the industry's first suite of defined offerings that focuses on test function virtualization. EXFO TFv offers all the benefits of virtualization through the seamless enablement of test functions on any EXFO test asset, at any time. This suite is ideal for lab managers who are looking to scale their testing requirements to their specific user needs. Under the EXFO TFv umbrella are FTB Anywhere floating licenses and FTB OnDemand time-based software licenses.

Benefits

- Maximizes ROI on test equipment expenditures
- Provides financial flexibility with spending options tailored to CAPEX and/or OPEX
- Optimizes test-asset investments and ensures the timely availability of required test functionality
- Enables carriers to gradually increase their test capabilities to match the rollout of new service offerings

FTB Anywhere: floating test licenses

FTB Anywhere allows EXFO's platform users to share floating test licenses and get the required functionality—anywhere, anytime. In short, the customer owns the software licenses and can share them between EXFO's platforms.

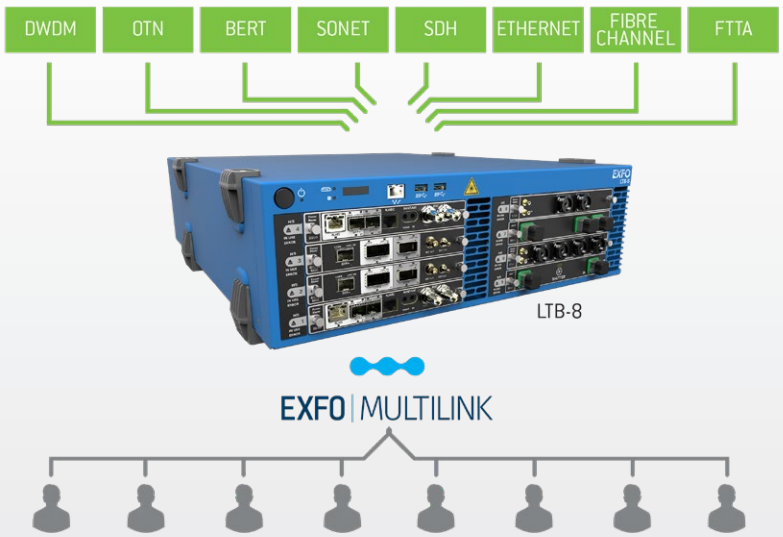
FTB OnDemand: time-based software licenses

Part of EXFO TFv, FTB OnDemand allows customers to activate a wide range of test functionalities (e.g., 100G testing) for a specific period of time to match their exact needs. This flexibility is perfect for situations where a test function is only needed for a specific project or for a new service that is still in the early ramp-up stage.

EXFO | MULTILINK

EXFO Multilink

The value of connectivity resides in the ability to access your EXFO platform anywhere, using any mainstream Web browser. EXFO Multilink is a multi-user, multichassis and multimodule software application that enables remote control access of each chassis and module through a centralized dashboard.



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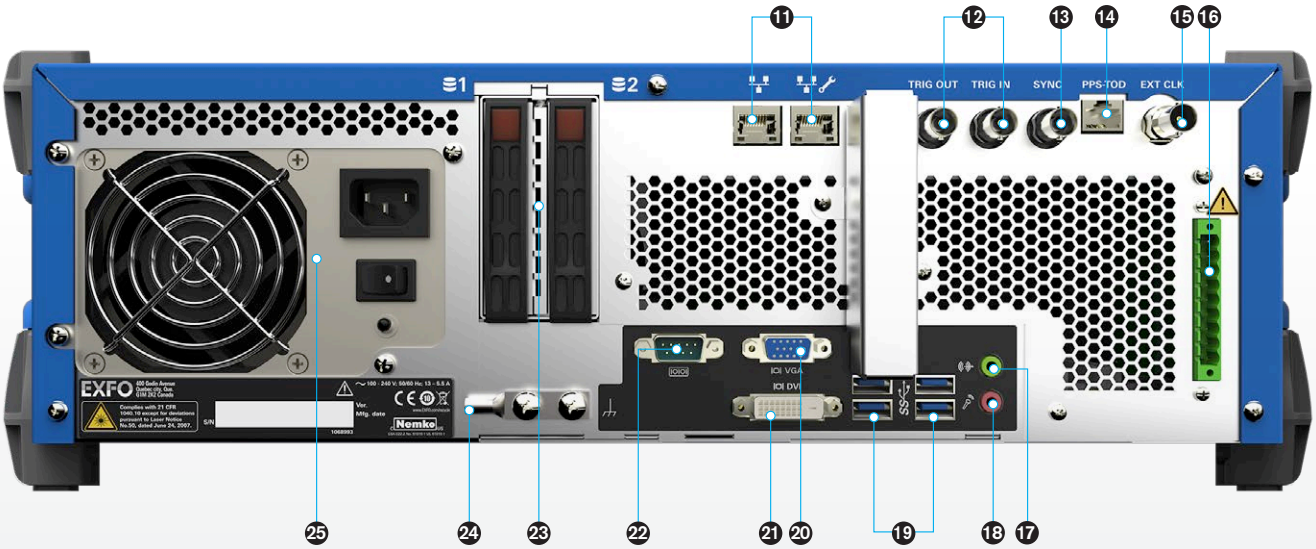
ADAPTED FOR DEDICATED APPLICATIONS. DEDICATED TO HELPING YOU ADAPT.

Thanks to its small format, ultra-powerful processing and highly intuitive interface, the LTB-8 is optimized to enable lab users to carry out dedicated Ethernet and OTN test applications simply and efficiently.

1. Power button
2. Power LED
3. Status LED
4. Hard disk LED
5. System information display
6. Ethernet management port
7. USB 3.0 ports (2)
8. Module status LEDs
9. Module eject button
10. Module slots (eight available in total)
11. Ethernet ports
12. BNC trigger ports (in and out)
13. BNC sync port
14. RJ45 time-of-day port
15. BNC external clock
16. Dry contact relays (3)
17. Audio port
18. Microphone port
19. USB 3.0 ports (4)
20. Video port (VGA)
21. Video port (DVI)
22. Serial port
23. Hard disk drive bays (2)
24. Grounding lug
25. Power supply



SPECIFICATIONS [a]

Mainframe	Quad-core Intel processor/16 GB RAM/Windows 10	
Interfaces	› RJ45 LAN 10/100/100 Mbit/s ports (2) › USB 3.0 ports (6) › DVI and VGA video ports	› Serial RS-232 port › Headset and microphone ports
Storage	256 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]	154 mm × 459 mm × 558 mm (6 ⅛ in x 18 ⅛ in x 22 in)
Weight	15.5 Kg (34.2 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-10-101	Ruggedized carrying case	GP-2257	Rackmount brackets (kit of 2)
GP-130	GPIB cable (6 feet/2 meters)	GP-2258	USB to GPIB adapter
GP-2016	RJ45 LAN cable (10 feet)	GP-2259	Benchtop feet pads
GP-2256	FTBx module slot blank cover		

LASER SAFETY

The test modules that you use with your unit may have different laser classes. Refer to the module's documentation for exact information.

a. All specifications valid at room temperature.
b. Size only includes feet and not rackmount bracket.

ORDERING INFORMATION

LTB-8-XX-XX-XX

Additional hard drive
00 = Without extra hard drive
RHD = RAID drive (256 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-8-RHD-FP-420B-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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EXFO serves over 2000 customers in more than 100 countries. To find your local office contact details, please go to **www.EXFO.com/contact**.

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