

# LTB-8 Rackmount Platform

BRINGS THE POWER TO YOUR LAB



PART OF THE  
EXFO | FTB Ecosystem

EXFO Connect  
Compatible

100G

EXFO | MULTILINK

The LTB-8 is a powerful, scalable, 8-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

**Personal Computer Design:** Simple, easy-to-use design powered by a quad-core processor with Microsoft Windows 8.1 Pro operating system

**Superior User Experience:** Optimal out-of-box experience (OOBE) using the Intel vPro Active Management Technology (AMT)

**Connectivity:** USB3, LAN, Sync and AMT port for maximum connectivity options

**Increased Performance and Data Reliability:** RAID 1 mirroring for redundancy and data protection

**Open Architecture:** 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)

## COMPLIMENTARY PRODUCTS AND APPLICATIONS



Fiber Inspection  
Probe  
FIP-400B



100G Multiservice Test Module  
FTBx-88200NGE



10G Multiservice Test Modules  
FTBx-8870/8880

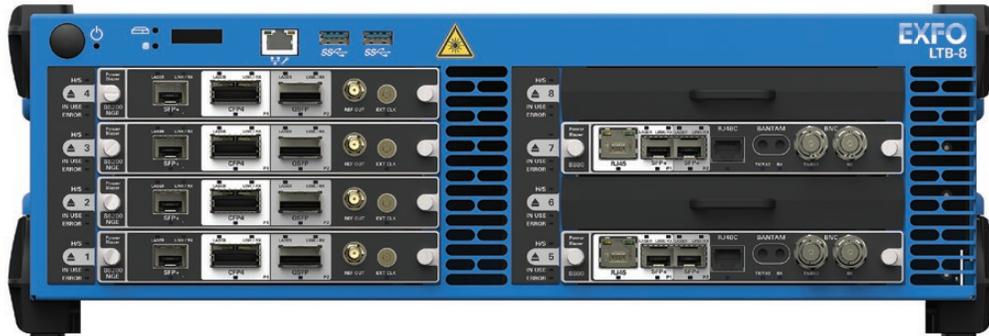


Multi-User Interface  
EXFO Multilink

EXFO

## 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.



## THE WINDOWS 8.1 PRO ADVANTAGE

Stay productive and connected while on the move with Windows-compatible applications and services.

### Applications

Use them the way you always have. Microsoft Office Suite (Word, Excel, PowerPoint), and other programs you count on can be installed on EXFO's LTB-8 so you can work the way you are used to working.

### Best user Experience

- › Faster start time
- › Multitasking

### Familiar Desktop

- › File Explorer
- › Boot to desktop
- › Start button

### Remote connectivity

- › Windows remote desktop
- › EXFO's remote toolbox

### Apps for Everyone

- › Skype
- › Microsoft OneDrive
- › Windows store



## TRANSPORT AND DATACOM MULTISERVICE TEST MODULES



**FTBx-88200NGE  
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



**FTBx8870/8880  
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

## FIBER CONNECTOR INSPECTION AND CERTIFICATION—THE ESSENTIAL FIRST STEP



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.

**100%**  
Automated<sup>a</sup>

**1-step**  
process<sup>a</sup>

**57%**  
shorter test time<sup>b</sup>

## 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 function	X	X	✓
On-board pass/fail analysis	X	✓	✓
Pass/fail LED indicator	X	✓	✓



Read the FIP-400B specification sheet or visit [www.EXFO.com/keepthefocus](http://www.EXFO.com/keepthefocus) for more information.

### Notes

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

## SOFTWARE TEST TOOLS

These platform-based software testing tools enhance the value of the LTB-8 platform, providing additional monitoring and inspection testing capabilities.

### THIRD-PARTY TEST TOOLS

#### Wireshark

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.

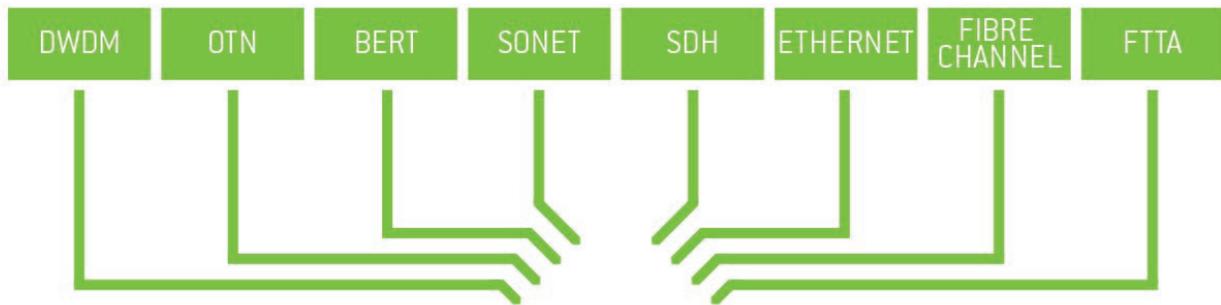
### SOFTWARE APPLICATIONS

#### 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.

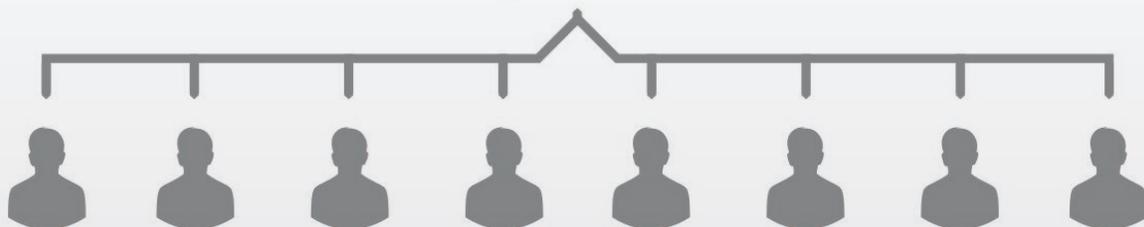
## REMOTE MONITORING AND CONTROL

Use remote access applications such as Java, VNC, remote desktop or web browsers to monitor and troubleshoot test applications carried out on an LTB-8 platform located anywhere in the world.



LTB-8

## EXFO | MULTILINK





**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 the newly launched 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 is an EXFO Connect-enabled offering that 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.

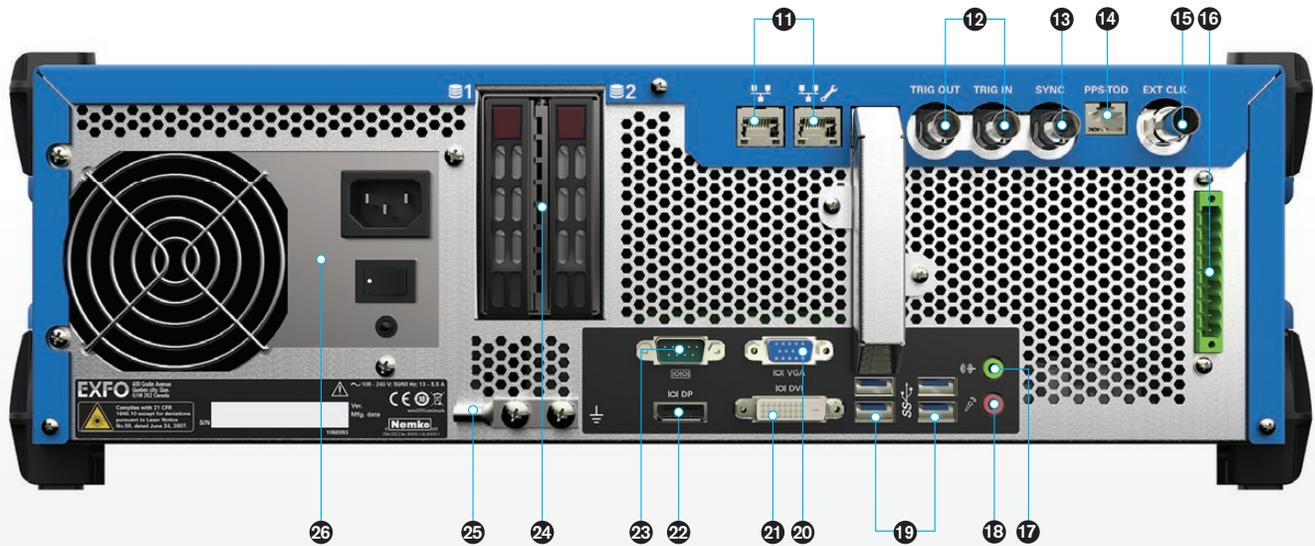
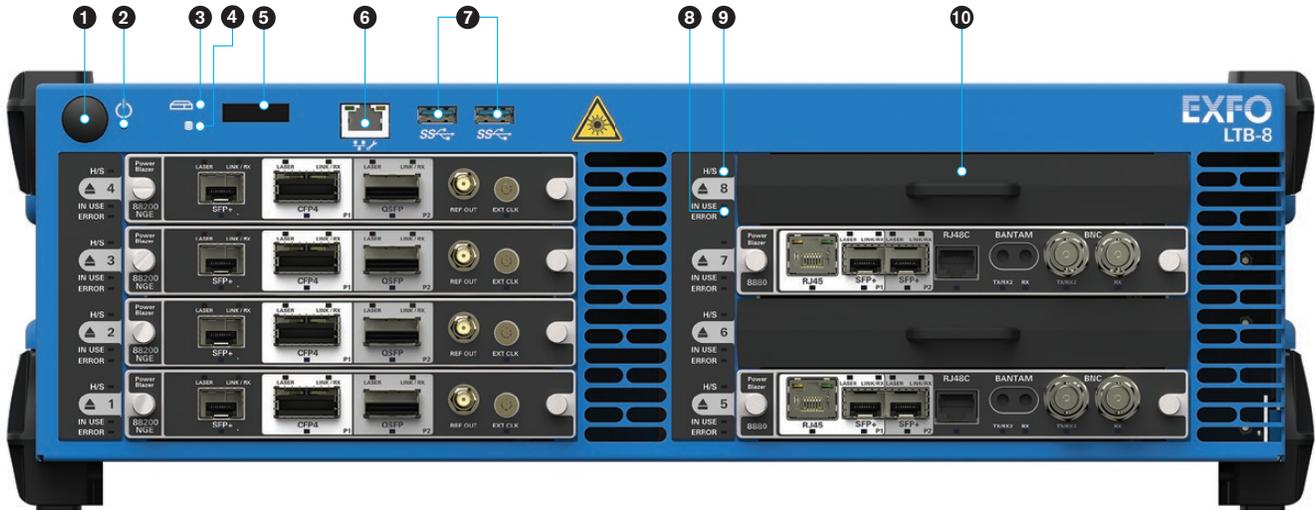
### **FTB OnDemand: Time-Based Software Licenses**

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.

## 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 on/off button        | 7 Front USB 3.0 ports (2)              | 13 BNC sync port         | 19 USB 3.0 ports (4)   | 25 Grounding lug |
| 2 Power on/off LED           | 8 Module status LEDs                   | 14 RJ45 time-of-day port | 20 Video port (VGA)    | 26 Power supply  |
| 3 Status LED                 | 9 Module hot-swap eject button         | 15 BNC external clock    | 21 Video port (DVI)    |                  |
| 4 Hard disk drive LED        | 10 Module slots (8 available in total) | 16 Dry contact relays    | 22 Display port        |                  |
| 5 System information display | 11 Ethernet ports                      | 17 Audio port            | 23 Serial port         |                  |
| 6 Ethernet port management   | 12 BNC trigger ports (in and out)      | 18 Microphone port       | 24 Hard disk drive bay |                  |



## SPECIFICATIONS<sup>a</sup>

Mainframe	Quad-core Intel processor	
Interfaces	<ul style="list-style-type: none"> <li>› RJ45 LAN 10/100/1000 Mbit/s</li> <li>› USB 3.0 port</li> <li>› DVI and VGA video ports</li> <li>› Display port</li> </ul>	<ul style="list-style-type: none"> <li>› Serial RS-232 port</li> <li>› 3.5 mm headset/microphone port</li> </ul>
Storage	256 GB SSD internal memory (flash)	
Power supply	AC input: ~ 100 – 240 V; 50/60 Hz; 13 – 5.5 A	

## GENERAL SPECIFICATIONS

Size (H x W x D)	133 mm x 451 mm x 550 mm (5 1/4 in x 17 3/4 in x 21 11/16 in)
Weight	14.2 Kg (31.3 lb)
Temperature	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Relative humidity	0 % to 95 % non-condensing

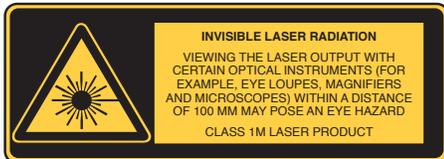
## ACCESSORIES

GP-10-101	Ruggedized Carrying case	GP-2258	USB to GPIB Adapter
GP-130	GPIB cable (6 ft./2 m)	GP-2259	Benchtop Feet Pads
GP-2016	RJ45 LAN cable (10 feet)		
GP-2256	FTBx Module slot blank cover		
GP-2257	Rackmount brackets (kit of 2)		

### Notes

a. All specifications valid at 23 °C (73 °F).

## LASER SAFETY



## ORDERING INFORMATION

LTB-8-XX-XX-XX

**Additional Hard Drive**

00: Without extra hard drive  
RHD: Extra hard drive

**Inspection Probe Base Tips<sup>a</sup>**

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<sup>b</sup>  
Triple magnification

FP420B = Analysis digital video inspection probe<sup>b</sup>  
Automated pass/fail analysis  
Triple magnification  
Autocentering

FP430B = Automated analysis digital video inspection probe<sup>b</sup>  
Automated focus  
Automated pass/fail analysis  
Triple magnification  
Autocentering

Example: LTB-8-RHD-FP-420B-APC

**Notes**

- a. Available if inspection probe is selected.  
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](http://www.EXFO.com/contact).

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