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LTB-2 Rackmount Platform

UP TO 4 X 100G IN A 1U SHELF FOR CORD, HERD AND DCI

PART OF THE
EXFO | FTB Ecosystem

EXFO TFv
Test Function Virtualization



SPEC SHEET

The LTB-2 is a powerful, scalable, two-slot modular rackmount platform designed for multiservice testing at central office environments and labs.

KEY FEATURES AND BENEFITS

Flexible, scalable and modular: Compact 1U modular solution with in-rack or tabletop applications. Features datacom and transport protocol testing and simultaneous testing of up to four times 100G

Hot swappable: Intelligent module 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 Windows 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

Accessibility: Remote access capability via VNC or Remote Desktop. Third-party tools can be easily installed offering a versatile range of applications.

RELATED PRODUCTS AND APPLICATIONS



100G multiservice test module
FTBx-88260/FTBx-88200NGE



10G multiservice test modules
FTBx-8870/8880



MEMS optical switch
FTBx-9160 (1x2, 1x4 configuration)

EXFO'S LTB-2 PLATFORM

The LTB-2 first-in-class platform is a versatile solution addressing numerous transport and datacom applications. Whether in the central office/exchange, design lab or during the manufacturing process, the LTB-2 provides users with added testing versatility and power for today's complex networks.



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 e-mail services and over-the-top (OTT) apps	Record and automate actions	Share files via cloud-based storage

GENERAL SPECIFICATIONS



FTBx-88200NGE

› 40G/100G CFP4 and QSFPx high-speed module

› Ethernet testing including 10 GigE, RFC 6349 and EXFO's iSAM for 100G testing

› OTN multistage, multiplexing testing capabilities with ODU0 and ODUflex support; OTN multichannel and mix-mapping testing up to 80 x ODU0 channels

› Up to FC16X Fibre Channel true wire-speed traffic generation and monitoring

› 5G support CPRI/eCPRI

› Fast, intelligent transceiver validation with iOptics



FTBx-88260

› 1G/10G/25G/40G/50G/100G dual port capability

› Supported interfaces: copper SFP/SFP+, SFP, SFP+, SFP28, QSFP+, QSFP28, CFP4 and AOC cables

› Ethernet testing including RFC 6349 and EXFO's iSAM for 100G testing

› OTN multistage, multiplexing testing capabilities with ODU0 and ODUflex support

› Up to FC32X Fibre Channel true wire-speed traffic generation and monitoring

› 5G support CPRI/eCPRI, including eCPRI 10G and 25G

› Fast, intelligent transceiver validation with iOptics



FTBx-8870/8880

› Ethernet testing including 10 GigE dual port, OTN, RFC 6349 and EXFO's iSAM

› SONET/SDH, DSn/PDH, ISDN PRI, FTTA, Fibre Channel and packet synchronization

› 5G support CPRI/eCPRI

› Fast, intelligent transceiver validation with iOptics

SOFTWARE TEST TOOLS

These platform-based software testing tools enhance the value of the LTB-2 platform, providing additional 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 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

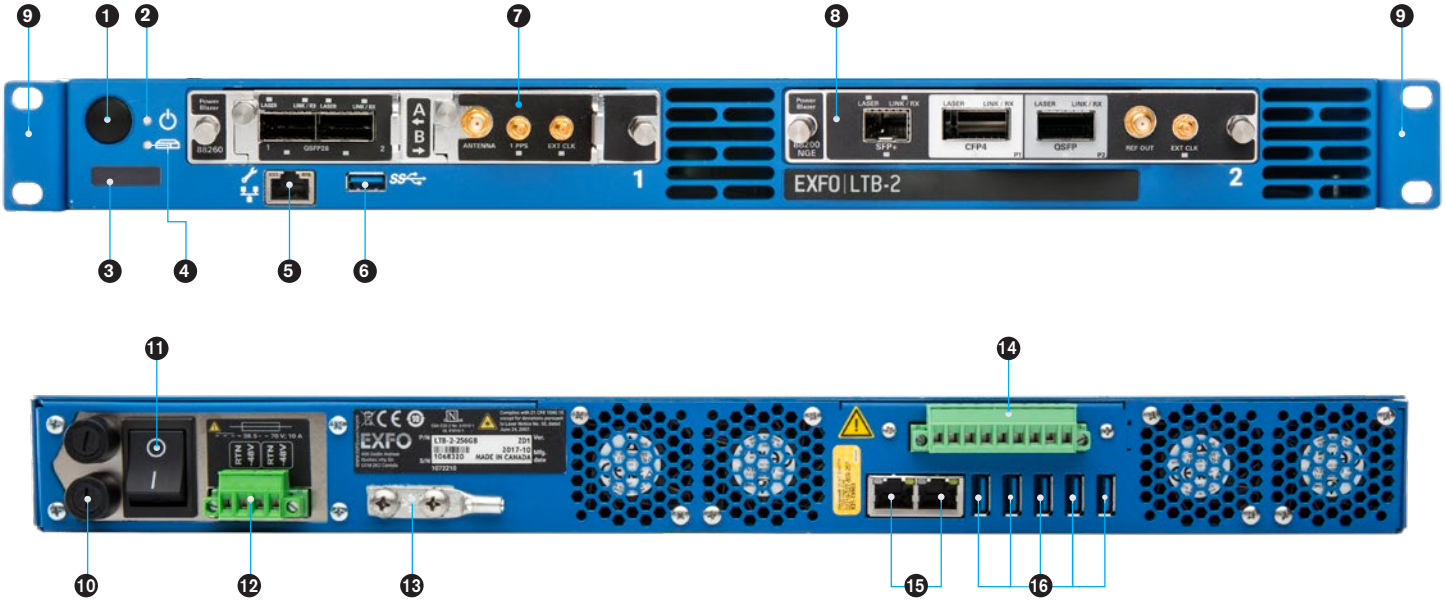
Part of EXFO TFv, FTB OnDemand allows customers to activate a wide range of test functionalities (e.g., 100G testing) for a specific period of time to match their exact needs. This flexibility is perfect for situations where a test function is only needed for a specific project or for a new service that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

EXFO

ADAPTED FOR DEDICATED APPLICATIONS. DEDICATED TO HELPING YOU ADAPT.

Thanks to its small format, ultra-powerful processing and highly intuitive interface, this platform 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. System information display
4. Status LED
5. Ethernet management port
6. USB 3.0 port
7. Module—Slot 1
8. Module—Slot 2
9. Removable rackmount brackets
10. –48V input circuit fuses
11. Main power switch
12. –48V dual feed input
13. Ground lug
14. Dry contact relays (3)
15. Ethernet ports (2)
16. USB 3.0 ports (5)



SPECIFICATIONS

TECHNICAL SPECIFICATIONS [a]

Mainframe	Quad-core Intel processor/16 GB RAM/Windows 10
Interfaces	3 x RJ45 LAN 10/100/1000 Mbit/s 6 x USB 3.0 port
Storage	256 GB SSD
Power supply	Dual –48 V input, 10 A

GENERAL SPECIFICATIONS

Size (H x W x D)[b]	44 mm × 482 mm × 264 mm (1 3/4 in x 19 in x 10 3/8 in)
Weight [b]	5.1 kg (11.2 lb)
Temperature Operating Storage	 –5 °C to 40 °C (23 °F to 104 °F) –40 °C to 70 °C (–40 °F to 158 °F)
Relative humidity	0 % to ≤95 % non-condensing

ACCESSORIES

GP-130	GPIB cable (6 feet/2 meters)	GP-2258	USB to GPIB adapter
GP-2016	RJ45 LAN cable (10 feet)	GP-3122	External AC/DC 48V power supply with power cord
GP-2256	FTBx module slot blank cover	GP-3123	RTU-2 rackmount brackets (kit of 2)

LASER SAFETY



a. All specifications valid at room temperature.

b. Size and weight inclusive of rackmount brackets.

ORDERING INFORMATION

LTB-2-XX

Additional hard drive
DC = Internal DC 48V power supply [a]
AC = External DC 48V adaptor with power cord

Example: LTB-2-DC

a. Default configuration

EXFO Headquarters > Tel.: +1 418 683-0211 | Toll-free: +1 800 663-3936 (USA and Canada) | Fax: +1 418 683-2170 | info@EXFO.com | www.EXFO.com

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