



**Advanced Test Equipment Rentals**  
**www.atecorp.com 800-404-ATEC (2832)**

# FTB-1 Platform

EMPOWERING FRONTLINE TECHNICIANS



The FTB-1 Platform is a modular platform optimized for fast, powerful, dedicated FTTH and Ethernet test applications

## KEY FEATURES

Flexible connectivity: USB, mobile, Wi-Fi and Bluetooth capabilities

Utilities: supports third-party applications and all the tools that enable technicians to complete their work right in the field

Test management/reporting: lets you take advantage of the EXFO Connect environment to monitor field operations (local and remote)

PC-oriented: Intel ATOM processor with Windows Embedded Standard operating system, for optimized productivity and versatility

Power management: latest battery technology for unmatched operation autonomy

SPEC SHEET



Assessing  
Next-Gen Networks



## MAXIMUM CONNECTIVITY FOR MAXIMUM FIELD-TESTING EFFICIENCY

The result of EXFO's time-proven expertise in portable platform design, the FTB-1 Platform is an open testing solution for network infrastructure construction and troubleshooting. The FTB-1's built-in intelligence empowers frontline technicians to take field-testing efficiency to the next level.

Thanks to a highly "connected" set of tools—including Update Manager and compatibility with the EXFO Connect environment, which provides end-to-end operational visibility and centralized reporting capabilities throughout the entire test instrument pool—the FTB-1 delivers maximum return on your investment.

## ADAPTED FOR DEDICATED APPLICATIONS. DEDICATED TO HELPING YOU ADAPT.

Thanks to its small format, ultra-powerful processing and highly intuitive interface, the FTB-1 is optimized to allow field technicians to carry out dedicated FTTH and Ethernet test applications simply and efficiently. Yet, its multiple connectivity possibilities and automated update capabilities ensure that users can test, process results and report them wherever, whenever, while resting assured that their platform is running the latest software version available.

### FTB-1 APPLICATIONS AND MODULES

#### FTTH

Module: FTB-730 PON  
FTTx/MDU OTDR

#### FTTH testing

With a dynamic range of up to 39 dB and enabling power meter and visual fault locator functionalities, the FTB-730 PON FTTx/MDU OTDR module allows fiber installers to seamlessly characterize splitters in PON FTTx and multiple dwelling unit (MDU) applications.

#### Ethernet

Module: FTB-860  
NetBlazer Ethernet Tester

#### Ethernet testing up to 10G

Offering comprehensive, yet simple test suites, the FTB-860 NetBlazer Ethernet Tester enables field technicians to quickly and easily turn up, validate and troubleshoot Ethernet services, with full EtherSAM capabilities, from 10 Mbit/s to 10 Gbit/s.

### FEATURES

USB, mobile, Wi-Fi and Bluetooth connectivity capabilities

Supports third-party applications and all the tools that enable technicians to complete their work right in the field

Lets you take advantage of the EXFO Connect environment to manage field testing/reporting operations as well as your platform pool

Intel ATOM processor with Windows Embedded Standard operating system, for optimized productivity and versatility

Latest battery technology for unmatched operation autonomy

One GigE port and two USB 2.0 ports

Windows Remote Assistance and Remote Control

EXFO fiber inspection probe connector interface

Display: TFT outdoor-enhanced LCD, 7-inch touchscreen

Telcordia-compliant

## SOFTWARE TEST TOOLS

This series of platform-based software testing tools enhance the value of the FTB-1 Platform, providing additional testing capabilities without the need for additional modules or units.

### EXpert TEST TOOLS

#### EXpert VoIP TEST TOOLS

EXpert VoIP generates a voice-over-IP call directly from the test platform to validate performance during service turn-up and troubleshooting.

- Supports a wide range of signaling protocols, including SIP, SCCP, H.248/Megaco and H.323
- Supports MOS and R-factor quality metrics
- Simplifies testing with configurable pass/fail thresholds and RTP metrics

#### EXpert IP TEST TOOLS

EXpert IP integrates six commonly used datacom test tools into one platform-based application to ensure that field technicians are prepared for a wide range of testing needs.

- Rapidly performs debugging sequences with VLAN scan and LAN discovery
- Validates end-to-end ping and traceroute
- Verifies FTP performance and HTTP availability

### 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. Wireshark is a standard utility on all FTB-1 platforms.

#### JPerf

This TCP performance testing tool can create TCP and UDP data streams which measure the throughput of a network that is carrying them. Thanks to various user-definable parameters, technicians can rely on JPerf to optimize or tune a network under test.

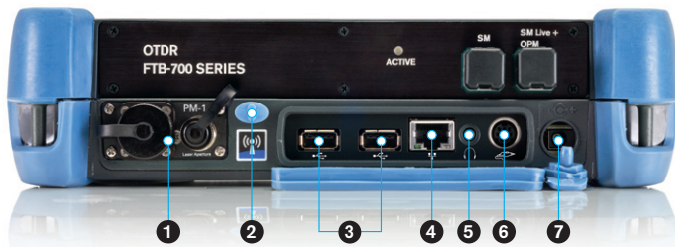
#### Network Stumbler

Network Stumbler verifies wireless network configurations, enabling field technicians to identify areas that have poor coverage or wireless interference, and helping them to aim antennas for full effect and find unauthorized access points.

### SOFTWARE UTILITIES

<b>Update Manager</b>	Ensure that your entire fleet of platforms is up-to-date with the latest software, and easily manage your maintenance contracts.
<b>VNC configuration</b>	The Virtual Network Computing utility allows technicians to easily communicate settings to remote colleagues.
<b>Microsoft Internet Explorer</b>	Access the Web directly from your platform interface.
<b>Bluetooth file sharing</b>	Share files from your FTB-1 to any Bluetooth-enabled device.
<b>Wi-Fi connection</b>	Display available Wi-Fi connections and save your default settings.

## DESIGNED FOR EFFICIENCY



- 1 Power meter and VFL
- 2 Stylus
- 3 Two USB 2.0 ports
- 4 1 GigE port
- 5 Head set
- 6 Fiber inspection probe video port
- 7 AC adapter
- 8 Back stand
- 9 Speaker out
- 10 Brightness
- 11 Keyboard/screen capture
- 12 Switch application
- 13 Power on/off
- 14 Battery LED
- 15 Module compartment
- 16 Battery

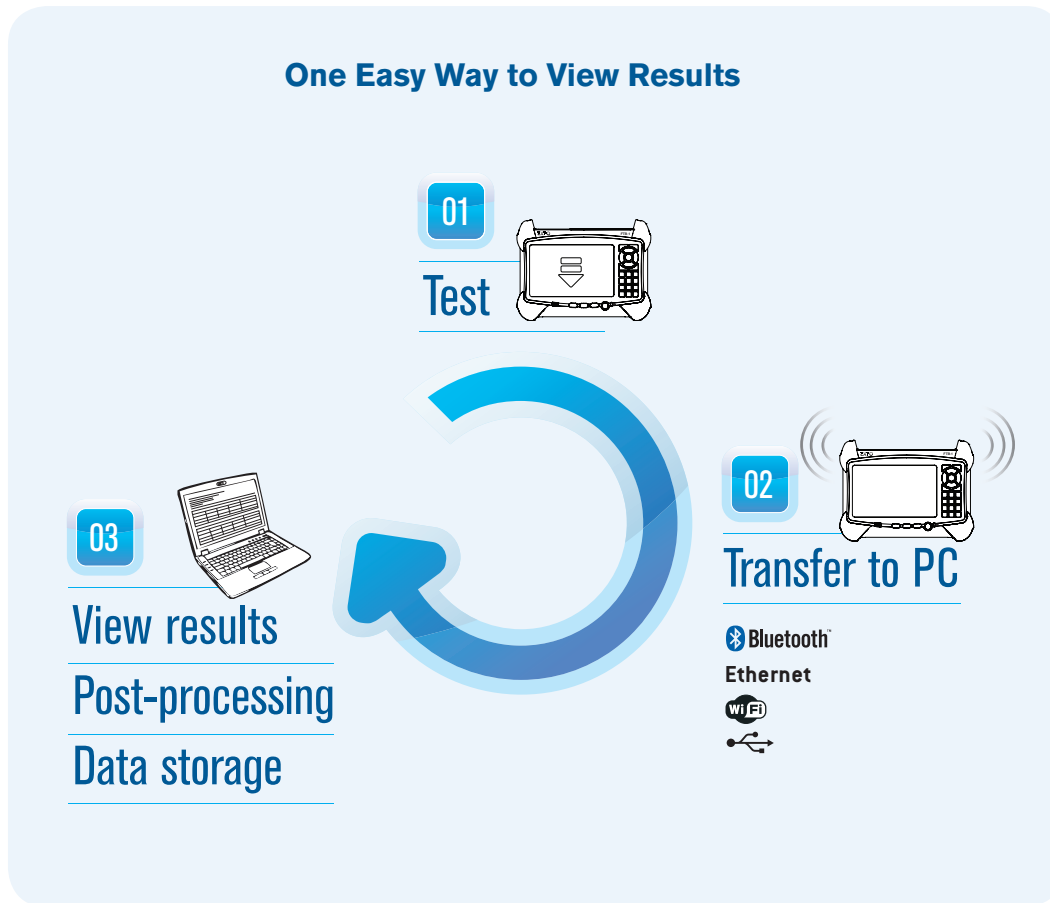




## TEST, PROCESS, VIEW AND SEND: IT'S THAT EASY

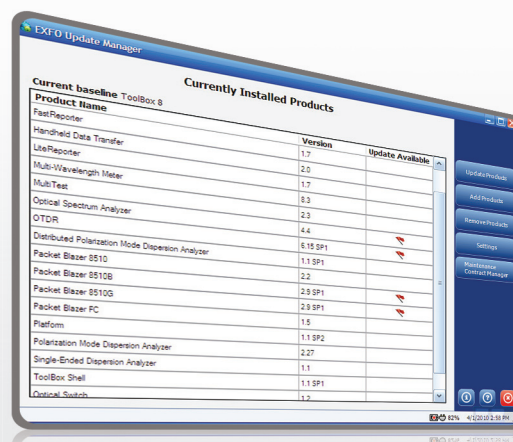
### Connectivity

The FTB-1's integrated wireless communication capabilities allow you to send reports anytime, anywhere using mobile, Wi-Fi or Bluetooth networking connections.



### Update Manager

Stay current with the FTB-1 Update Manager, which enables you to easily manage the applications developed for your test solution. Thanks to EXFO's feature enhancement program, it has never been easier to benefit from our latest innovation. Based on customer feedback, acute market trend analysis and compliance with the latest standards, EXFO is committed to ensuring that your product is at its best.



## TECHNICAL SPECIFICATIONS

Display	Touchscreen, color, 800 x 480 TFT, 178 mm (7 in)
Interfaces	Two USB 2.0 ports RJ-45 LAN 10/100/1000 Mbit/s Fiber inspection probe connector port (video) Built-in Bluetooth and Wi-Fi (optional)
Storage	8 GB internal memory (flash) 16 GB internal memory (flash), optional
Batteries	Rechargeable lithium-ion batteries 8 hours of operation as per Telcordia* (Bellcore) TR-NWT-001138
Power supply	AC/DC adapter, input 100-240 VAC, 50-60 Hz, 2 A max, output 24 VDC, 90 W
Computer	Intel ATOM processor Windows Embedded Standard operating system

## GENERAL SPECIFICATIONS

Size (H x W x D)	190 mm x 252 mm x 66 mm (7 1/2 in x 9 15/16 in x 2 5/8 in)
Weight (with battery)	1.5 kg (3.3 lb)
Temperature	
Operating	0 °C to 50 °C (32 °F to 122 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)**
Relative humidity	0 % to 95 % non-condensing

\* With optional extended-life battery.

\*\* -20 °C to 60 °C (-4 °F to 140 °F) with the battery pack.

## ACCESSORIES

FP4S	400x Fiber Inspection Probe	GP-2001	USB keyboard
FP4D	200x/400x Fiber Inspection Probe	GP-2016	10 feet RJ-45 LAN cable
GP-10-086	Rigid FTB-1 carrying case	GP-2028	Computer security cable kit
GP-10-072	Semi-rigid FTB-1 carrying case	GP-2137	USB-to-RS-232 converter
GP-302	USB mouse	GP-2138	DC car adapter/inverter
GP-1002	Headset	GP-2144	USB 16G micro-drive
GP-1008	VFL adapter (2.5 mm to 1.25 mm)		

PM-1 BUILT-IN POWER METER SPECIFICATIONS<sup>a</sup>

Calibrated wavelengths (nm)	850, 1300, 1310, 1490, 1550, 1625, 1650
Optional CWDM calibrated wavelengths (nm)	1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610, 1383, 1625
Power range (dBm)	10 to -86 (InGaAs)
Uncertainty (%) <sup>b</sup>	±5 % ± 3 pW (InGaAs)
Display resolution (dB)	
InGaAs	0.01 = max to -76 dBm 0.1 = -76 dBm to -86 dBm 1 = -86 dBm to min
Automatic offset nulling range <sup>c</sup>	Max power to -63 dBm for InGaAs
Tone detection (Hz)	270/1000/2000

## VISUAL FAULT LOCATOR (VFL) (OPTIONAL)

Laser, 650 nm ± 10 nm
CW
Typical P <sub>out</sub> in 62.5/125 µm: 3 dBm (2 mW)

## Notes

- a. At 23 °C ± 1 °C, 1550 nm and FC connector. With modules in idle mode. Battery operated.  
b. Up to 5 dBm.  
c. For ±0.05 dB, from 18 °C to 28 °C.

## LASER SAFETY

21 CFR 1040.10 AND IEC 60825-1:2007  
CLASS 3R WITH VFL OPTION

## ORDERING INFORMATION

FTB-1-XX-XX-XX-XX-XX-XX-XX-XX-XX

**Model** ■  
FTB-1**Display** ■S1 = TFT active screen  
S2 = Outdoor-enhanced screen**Memory** ■00 = 8 GB internal memory (flash)  
XMEM = 16 GB internal memory (flash)**Battery** ■00 = Standard rechargeable lithium-ion battery  
EXT = Extended-life rechargeable lithium-ion battery**Wi-Fi/Bluetooth option** ■00 = Without RF components  
RF = With RF capability (Wi-Fi and Bluetooth)**Power meter** ■00 = Without power meter  
VFL1 = Visual fault locator only  
VPM3 = VFL; power meter; InGaAs detector  
VPM3-CWDM = VFL; power meter; InGaAs detector; CWDM  
wavelengths calibrated (from 1270 to 1610 nm)**Connector adapter**FOA-12 = Biconic  
FOA-14 = NEC D4: PC, SPC, UPC  
FOA-16 = SMA/905, SMA-906  
FOA-22 = FC/PC, FC/SPC, FC/UPC, FC/APC  
FOA-28 = DIN 47256, DIN 47256/APC  
FOA-32 = ST: ST/PC, ST/SPC, ST/UPC  
FOA-54 = SC: SC/PC, SC/SPC, SC/UPC, SC/APC  
FOA-78 = Radiall EC  
FOA-96B = E-2000 E-2000/APC  
FOA-98 = LC  
FOA-99 = MU  
WC2 = FOA-FC-ST-SC-LC**ConnectorMax**00 = Without fiber inspection probe analysis software  
FPSA = With fiber inspection probe analysis software**Software option**00 = Without software option  
IPT = Ping traceroute software**Probe**00 = Without probe  
FP4S = Inspection probe (400x)  
FP4D = Inspection probe (200x/400x)

Example: FTB-1-S2-XMEM-EXT-RF-VFL1-FP4S-IPT-FPSA-FOA-78

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. In addition, all of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit [www.EXFO.com/recycle](http://www.EXFO.com/recycle). Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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