

FTB Duo connected platform

MODULAR DUAL-SLOT, MOBILE-CONNECTED TESTING PLATFORM OPTIMIZED FOR FIELD INSTALLATION AND MAINTENANCE

■ Future-proof platform with EXFO Exchange activated to ensure compliance in the most efficient and secure way.

EXchange
BUILT-IN



ALWAYS-ON LTE
CONNECTIVITY



KEY FEATURES

Free 36-month basic data plan provided for real-time visibility

Bluetooth®, Wi-Fi, 2G/3G/4G LTE, GNSS

8-inch (203-mm) color touchscreen for use in bright sunlight environments or anywhere you conduct tests

Intuitive and user-friendly interface

Improved software update mechanism to reduce downtime

2-slot modular platform

RELATED PRODUCTS AND ACCESSORIES



Fiber inspection scope
FIP-500



Supports
FTBx modules^a

FastReporter

Data post-processing software

a. FTBx module support may vary at launch. Contact EXFO for the current compatibility list.



HOW CONFIDENT ARE YOU ABOUT YOUR TEST PROCEDURES BEING FOLLOWED?

Part of the FTB Series, the FTB Duo builds upon EXFO's innovation in testing with a secure, rugged mobile-connected platform.

It features always-on mobile connectivity, designed to solve issues, such as lack of compliance and expertise, inefficient processes, and delays in getting the latest updates.

Always-on mobile connectivity provides:

1. **Streamlined compliance and automated validation:** Automated job tracking and real-time reporting confirm adherence to methods of procedure (MoP) ensure compliance with testing standards while reducing errors and administration time.
2. **Enhanced collaboration and efficiency:** Real-time data sharing, automated uploads, and cloud-based reporting enable seamless teamwork, faster decision-making, and accelerated project timelines.
3. **Valuable insights:** Automated access to comprehensive live data to perform analytics and extract insights, enabling informed decision-making and planning.



SHARE TEST RESULTS. BOOST COMPLIANCE. UNLOCK INSIGHTS.

Cloud-hosted solution for sharing test results and ensuring compliance.

Paired with EXFO's leading test instruments, EXFO Exchange drives an entire ecosystem while integrating seamlessly with existing operation processes.



FastReporter

Advanced FastReporter capabilities included with EXFO Exchange.

FastReporter is a consolidated data management and postprocessing solution designed to improve results quality as well as auditing and reporting productivity. When logging in to your EXFO Exchange account on your PC, you will have access to all advanced capabilities for FastReporter, including:

- Results viewer
- Advanced reporting formats (Excel, PDF, custom)
- Advanced editing
- Automated validation and results correction

Get
started >



The FTB Series has direct access to EXFO Exchange workspaces at all times. Onboarding has never been easier with pre-configured access and the capability to sign into EXFO Exchange directly from the platform, meaning no more phone pairing.

These advantages, paired with EXFO's reliable, accurate and durable FTBx test modules, lead to:

- Faster deployment of jobs to users in the field to ensure compliance and increase the ratio of first-time-right results.
- Faster access to results by managers or supervisors; leading to contractors getting paid quicker.
- Reduced downtime with one-click software update.
- Simple and intuitive user interface to minimize training.

OPTICAL ADD-ONS (OPTIONAL)

Optical power meter (OPM)

EXFO's high-level power meter (GeX) can measure up to 27 dBm. This is essential for hybrid fiber-coaxial (HFC) networks or high-power signals. If used with an auto-lambda/auto-switching compatible light source, the power meter automatically synchronizes on the same wavelength, thus avoiding any risk of mismatched measurement.

Visual fault locator (VFL)

The plug-and-play VFL easily identifies breaks, bends, faulty connectors and splices, in addition to other causes of signal loss. This basic, yet essential troubleshooting tool should be part of every field technician's toolbox. The VFL visually locates and detects faults over distances of up to 7 km by creating a bright-red glow at the exact location of the fault. High-power VFL is also available as an option to test distances up to 12 km.

TWO SLOTS. ENDLESS FLEXIBILITY. FUTURE-PROOF YOUR FIELD TESTING.

With dual-slot modularity, the FTB Duo offers unique flexibility in the field to cover a variety of testing applications in one rugged and compact format. Designed for evolving needs, the test platform boasts unprecedented security through a closed system and unmatched autonomy with an optional power supply module.

Need greater autonomy?

Additional battery autonomy is available to you! The FTB Duo can be equipped with an optional power supply module (PSM) that increases autonomy for all your testing needs. Designed for scalability and evolving needs in testing, the PSM significantly expands test & measurement durations without the need to be always looking for an AC outlet.

Also, the USB-C power delivery system can be used to charge other EXFO devices such as inspection scopes.

PRODUCT OVERVIEW

- 1 FTBx module slots (2)
- 2 VFL (optional hardware)
- 3 Power meter (optional hardware)
- 4 10/100/1000 Mbit/s Ethernet port
- 5 USB 3.0 ports (2)
- 6 Charger/battery LED
- 7 USB-C PD port
- 8 Mount for hand/shoulder strap
- 9 PSM (optional hardware)
- 10 AC/DC input port, USB-C PD port, and battery/charger LED (if PSM2 is connected)
- 11 Power on/off/stand by button
- 12 Power ON/OFF LED status indicator
- 13 Speaker
- 14 8-inch (203-mm) color touchscreen
- 15 Kickstand



SPECIFICATIONS

GENERAL SPECIFICATIONS		
Display	8-inch (203 mm), 1280 × 800, color touchscreen (viewable in sunlight)	
Interfaces	USB-A ports (2) USB-C port with power delivery RJ45 LAN 10/100/1000 Mbit/s	
RF comms ^{a, b}	Bluetooth, Wi-Fi, 2G/3G/4G LTE, GNSS (GPS/GALILEO/QZSS)	
Storage	>20,000 OTDR SOR traces	
Battery	Rechargeable Li-Ion battery	
Power supply	Input: AC/DC adapter, 100 to 240 V AC, 50 to 60 Hz, 1.8 A max. Output: 20V DC, 5.0 A max., 100 W max., USB-C power delivery standard supported PSM2 AC/DC adapter: input: 100 – 240 V; 50/60 Hz; 5.0 A max., output: 24 V; 13.75 A	
Weight	including internal battery ^c including PSM2 ^c	2.66 kg (5.9 lb) 4.11 kg (9.1 lb)
Size (H × W × D)	including PSM2 ^c	198 mm × 250 mm × 102 mm (7 3/4 in × 9 3/4 in × 4 in) 198 mm × 250 mm × 140 mm (7 3/4 in × 9 3/4 in × 5 1/2 in)
Temperature (operating)	–10 °C to 50 °C (14 °F to 122 °F)	
Temperature (storage)	–40 °C to 70 °C (–40 °F to 158 °F)	
Relative humidity	0 % to 95 % non-condensing	

POWER METER SPECIFICATIONS (GeX) (optional) ^d	
Calibrated wavelengths (nm)	850, 1300, 1310, 1342, 1358, 1490, 1550, 1577, 1625, 1650
Selectable wavelengths (nm)	850, 1300, 1310, 1342, 1358, 1490, 1550, 1577, 1625, 1650
Power range (dBm) ^e	27 to –50
Uncertainty (%) ^f	±5
Display resolution (dB)	0.01 = max to –40 dBm 0.1 = –40 dBm to –50 dBm
Tone detection (Hz)	270/330/1000/2000

VFL SPECIFICATIONS	VFL (optional)	HIGH-POWER VFL (optional)
Operation mode	Flashing (slow/fast) and continuous	Flashing (slow/fast) and continuous
Flashing frequency (Hz)	1 or 4	1 or 4
Wavelength (nm) (typical)	650	660
Emitter type	Laser	Laser
Power output (mW) (max.)	1	5
Distance range (km) (typical) ^g	7	12
Laser safety class	2	3R

LASER SAFETY ^g (Complies with FDA 1040.10 and IEC 60825-1:2014-05)		
Without VFL (option): IEC 60825-1:2014-05	With VFL (option): IEC 60825-1:2014-05	With high power VFL (option): IEC 60825-1:2014-05
		
DO NOT EXPOSE USERS OF TELESCOPIC OPTICS	DO NOT STARE INTO BEAM	AVOID DIRECT EYE EXPOSURE
Applicability: Class 1M, 2M and 3R 	WARNING: Viewing the laser output with telescopic optical instruments (for example, telescopes and binoculars) may pose an eye hazard and thus the user should not direct the beam into an area where such instruments are likely to be used.	

a. Free 36-month basic data plan provided.

b. Restrictions may apply depending on country/region which will prevent EXFO from providing mobile connectivity. Contact EXFO for details.

c. Height and weight excludes modules.

d. At 23 °C ± 1 °C, 1550 nm and FC connector. With modules in idle mode. Battery operated after 30-minute warm-up.

e. Typical.

f. At calibration conditions.

g. Depends on fiber attenuation and ambient light conditions.

ACCESSORIES (optional)

GP-10-095	Extra-large size soft carrying case	GP-3285	Utility glove
GP-10-112	Ruggedized carrying case	GP-2232	Replacement hand strap
GP-2155	Carry-on size backpack	GP-2318	Replacement kickstand
GP-1008	VFL adapter (2.50 mm to 1.25 mm)	GP-3283	Spare 100 W AC/DC to USB-C PD adapter
GP-2235	Spare stylus		

ORDERING INFORMATION**FTB-Duo-XX-XX-XX-XX-XX-XX****Connectivity**

FRF = With full RF capability (LTE, GNSS, Wi-Fi and Bluetooth) ^{a, b}

Power supply module

00 = Without optional power supply module

PSM2 = With power supply module

Power meter

00 = Without power meter or VFL

VFL = Visual fault locator

VFLHP = High power VFL

VPM2X = VFL and power meter; GeX detector

VPM2XHP = High-power VFL and power meter; GeX detector

Inspection scope base tips ^d

APC = Includes FIPT-400-U25MA and FIPT-400-SC-APC

UPC = Includes FIPT-400-U25M and FIPT-400-FC-SC

Inspection scope models

00 = Without inspection scope

FIP435B = Wireless analysis digital video inspection scope ^e

Automated focus

Automated pass/fail analysis

Triple magnification

Autocentering

Power meter connector adapter ^c

FOA-22 = FC: FC/PC, FC/SPC, FC/UPC, FC/APC

FOA-32 = ST: ST/PC, ST/SPC, ST/UPC

FOA-54B = SC: SC/PC, SC/SPC, SC/UPC, SC/APC

FOA-96B = E-2000/APC

FOA-98 = LC

FOA-99 = MU

Example: FTB-Duo-FRF-VPM2X-FOA-22

a. FRF option is mandatory.

b. Not available in India and China.

c. Only available if power meter option is selected. Additional connector adapters available, contact EXFO.

d. Available if inspection scope is selected.

e. For use with separate mobile smart device running ConnectorMax2 software.

EI CONNECTORS

To maximize the performance of your OTDR, EXFO recommends using APC connectors on SM port. These connectors generate lower reflectance, which is a critical parameter that affects performance, particularly in dead zones. APC connectors provide better performance than UPC connectors, thereby improving testing efficiency.

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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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