

# FTB-8520 Packet Blazer

NETWORK TESTING-TRANSPORT AND DATACOM



## Platform Compatibility

FTB-400 Universal Test System

- Fully integrated functionality for installing, commissioning and maintaining Fibre Channel networks
- FC-0, FC-1 and FC-2 logical layer configuration for Fibre Channel port definition, testing and performance analysis
- Round-trip latency measurement and buffer-to-buffer credit estimation
- Dual test ports with 1 Gb/s (100 MB/s) and 2 Gb/s (200 MB/s) full-line-rate Fibre Channel traffic generation and BER testing

[www.EXFO.com](http://www.EXFO.com)  
Telecom Test and Measurement

**EXFO**  
EXPERTISE REACHING OUT

überreicht durch:  
**Opternus**

Opternus GmbH Optische Spleiss- & Messtechnik  
Bahnhofstr. 5  
D-22941 Bargteheide  
Tel. +49(0)4532-20 44-0  
Fax +49(0)4532-20 44-25  
E-Mail: [Info@Opternus.de](mailto:Info@Opternus.de) - [www.Opternus.de](http://www.Opternus.de)

Büro Süd:  
Wäldenbronner Str. 2  
D-73732 Esslingen  
Tel. +49(0)711-3 10 59 99-0  
Fax +49(0)711-3 10 59 99-99

# The Next Step in Fibre Channel Network Testing

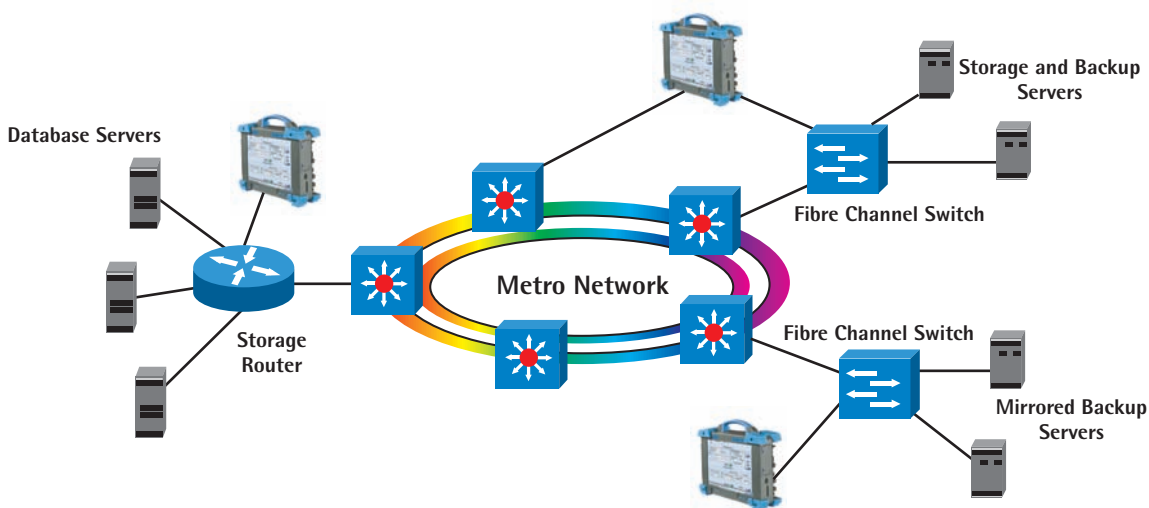
Housed in the FTB-400 Universal Test System, EXFO's FTB-8520 Packet Blazer SAN Test Module brings FC-0, FC-1 and FC-2 logical layer Fibre Channel testing to services delivered via transport protocols, such as DWDM, SONET/SDH and dark fiber. It provides valuable timing information and buffer credit estimation for Fibre Channel network deployment.

## KEY FEATURES

- Simultaneous traffic generation and analysis at 100 % wire speed for 1 Gb/s and 2 Gb/s rates on dual test ports
- Easy-to-use Smart User Interface (SUI) for configurable screens, customization of test routines, as well as real-time and historical performance reporting
- Fully integrated FC-0, FC-1 and FC-2 logical layer testing, enabling fabric and port login
- Round-trip latency measurements for assessing the capability of a link
- Buffer-to-buffer credit estimation for optimal configuration of Fibre Channel nodes
- BER testing of Fibre Channel circuits



The FTB-8520 Packet Blazer SAN Test Module is housed in the FTB-400 Universal Test System, EXFO's tough, all-in-one portable platform.



Thanks to end-to-end network testing capabilities, EXFO's FTB-8520 enables fast deployment and configuration of Fibre Channel networks. Communication between the transport network, interconnection devices and end nodes can be validated with features such as BER testing, latency measurement, buffer-to-buffer credit estimation and port login capabilities.

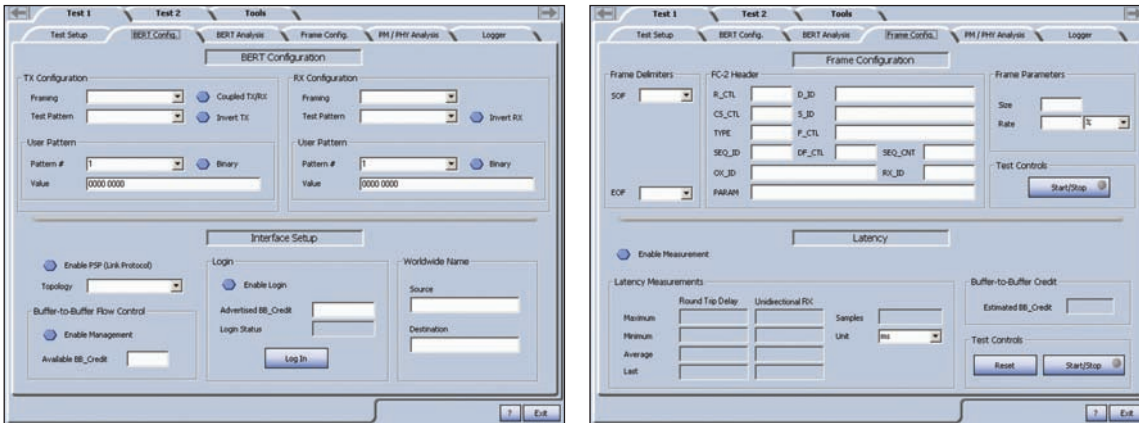
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# Efficient Testing Leads to Reliable Performance

EXFO's FTB-8520 Packet Blazer SAN Test Module enables the testing of both telecom and Fibre Channel services, and it lets you conduct end-to-end latency testing. What's more, the FTB-8520 helps you ensure long-term integrity and error-free data delivery across Fibre Channel links.

## USER-FRIENDLY INTERFACE

The FTB-8520 Packet Blazer SAN's easy-to-use Smart User Interface (SUI) lets you tailor screen configurations, customize test routines and format reports on real-time and historical performance.



## FIRST-CLASS COMPREHENSIVENESS

The FTB-8520 performs Fibre Channel testing at wire-speed, full-duplex 100 MB/s and 200 MB/s, and it simultaneously delivers traffic generation at 100 % wire speed. This versatile module also features bit-error-rate testing (BERT) for Fibre Channel networks.

## BUFFER-TO-BUFFER CREDIT ESTIMATION

Estimating buffer credit values is a crucial part of Fibre Channel network deployment. The FTB-8520 performs this task with high accuracy, taking into account network distance, latency and peak-traffic analysis.

### SPECIFICATIONS

	FTB-8520-1	FTB-8520-2
Port	One Fibre Channel port	Two Fibre Channel ports
Rate (MB/s)	100 and 200 (software option)	100 and 200 (software option)
Connector type	LC	LC
Optical transceivers	850 nm short-wave optics 1310 nm long-wave optics 1550 nm long-wave optics	850 nm short-wave optics 1310 nm long-wave optics 1550 nm long-wave optics
Port capacity	Full-line-rate traffic generation and analysis	Full-line-rate traffic generation and analysis

### GENERAL SPECIFICATIONS

Weight (without transceiver)	0.5 kg	(1.1 lb)
Size (H x W x D)	25 mm x 96 mm x 260 mm	(1 in x 3 3/4 in x 10 1/4 in)
Temperature		
operating	0 °C to 40 °C	(32 °F to 104 °F)
storage	-40 °C to 60 °C	(-40 °F to 140 °F)

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**ORDERING INFORMATION**

**FTB-85XX-XX**

**MODULE**

**Model**

FTB-8520-1: Packet Blazer SAN, 1 port  
FTB-8520-2: Packet Blazer SAN, 2 ports

**Software option**

00: 100 MB/s standard software  
200: 200 MB/s optional software

**TK-400-8500-XX-XX-XX-FTB-85XX-XX-XX-XX-XX**

**TEST KIT**

**Screen**

D4: TFT active screen

**Memory**

N10: 256 MB  
N12: 512 MB

**Expansion unit**

00: 2-slot module receptacle  
AV: 4-slot module receptacle  
H: 7-slot module receptacle

**Model**

FTB-8520-1 = Packet Blazer SAN, 1 port  
FTB-8520-2 = Packet Blazer SAN, 2 ports

**Software option**

00: 100 MB/s standard software  
200: 200 MB/s optional software

**850 nm transceiver options**

FTB-8593-1 = 1 transceiver module  
FTB-8593-2 = 2 transceiver modules

**1310 nm transceiver options**

FTB-8594-1 = 1 transceiver module  
FTB-8594-2 = 2 transceiver modules

**1550 nm transceiver options**

FTB-8595-1 = 1 transceiver module  
FTB-8595-2 = 2 transceiver modules

**TRANSCEIVER**

**FTB-859X**

FTB-8593: 2.125/1.0625 Gb/s Fibre Channel, 1.25 Gigabit Ethernet, 850 nm (200-M5/M6-SN-I/100-M5/M6-SN-I/1000 Base-SX); optical SFP transceiver module with LC connectors.  
FTB-8594: 2.125/1.0625 Gb/s Fibre Channel, 1.25 Gigabit Ethernet, 1310 nm (200-SM-LC-L/100-SM-LC-L/1000 Base-LX); optical SFP transceiver module with LC connectors.  
FTB-8595: 2.125/1.0625 Gb/s Fibre Channel, 1.25 Gigabit Ethernet, 1550 nm (200-SM-LL-L/100-SM-LL-L/1000 Base-ZX); optical SFP transceiver module with LC connectors.

**SOFTWARE OPTION**

**FTB-852X**

FTB-8521: 200 MB/s software option

**UPGRADE KIT**

**FTB-858X**

FTB-8582: 2-port upgrade kit for FTB-8520 Packet Blazer SAN

**Rugged Handheld Solutions**

- OPTICAL**
  - OLTs
  - Power meters
  - Light sources
  - Talk sets
- COPPER ACCESS**
  - ADSL/ADSL2+, SHDSL, VDSL test sets
  - VoIP and IPTV test sets
  - Ethernet test sets
  - POTS test sets

**Platform-Based Solutions**

- OPTICAL FIBER**
  - OTDRs
  - OLTs
  - ORL meters
  - Variable attenuators
- DWDM TEST SYSTEMS**
  - OSAs
  - PMD analyzers
  - Chromatic dispersion analyzer
- TRANSPORT AND DATACOM**
  - Next Generation SONET/SDH and OTN testers
  - SONET/DSn (DS0 to OC-192) testers
  - SDH/PDH (64 kb/s to STM-64) testers
  - T1/T3, E1 testers
  - 10/100 and Gigabit Ethernet testers
  - Fibre Channel testers
  - 10 Gigabit Ethernet testers

Find out more about EXFO's extensive line of high-performance portable instruments by visiting our website at [www.EXFO.com](http://www.EXFO.com).

EXFO Corporate Headquarters > 400 Godin Avenue, Quebec City (Quebec) G1M 2K2 CANADA | Tel.: 1 418 683-0211 | Fax: 1 418 683-2170 | [info@EXFO.com](mailto:info@EXFO.com)

Toll-free: 1 800 663-3936 (USA and Canada) | [www.EXFO.com](http://www.EXFO.com)

<b>EXFO Montreal</b>	2650 Marie-Curie	St-Laurent (Quebec) H4S 2C3 CANADA	Tel.: 1 514 856-2222	Fax: 1 514 856-2232
<b>EXFO Toronto</b>	160 Drumlin Circle	Concord (Ontario) L4K 3E5 CANADA	Tel.: 1 905 738-3741	Fax: 1 905 738-3712
<b>EXFO America</b>	3701 Plano Parkway, Suite 160	Plano, TX 75075 USA	Tel.: 1 800 663-3936	Fax: 1 972 836-0184
<b>EXFO Europe</b>	SOUTHAMPTON > Omega Enterprise Park, Electron Way	Chandlers Ford, Hampshire SO53 4SE ENGLAND	Tel.: +44 2380 246810	Fax: +44 2380 246801
<b>EXFO Asia</b>	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE 169876	Tel.: +65 6333 8241	Fax: +65 6333 8242
<b>EXFO China</b>	No.88 Fuhua, First Road	Shenzhen 518048, CHINA	Tel.: +86 (755) 8203 2300	Fax: +86 (755) 8203 2306
	Central Tower, Room 801, Futian District	Beijing New Century Hotel Office Tower, Room 1754-1755	Tel.: +86 (10) 6849 2738	Fax: +86 (10) 6849 2662
	No. 6 Southern Capital Gym Road			

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. 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). 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. Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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