

# 8520

NETWORK TESTING

## SAN TEST MODULE

### FTB-8520 Packet Blazer



- 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



# The Next Step in Fibre Channel Network Testing

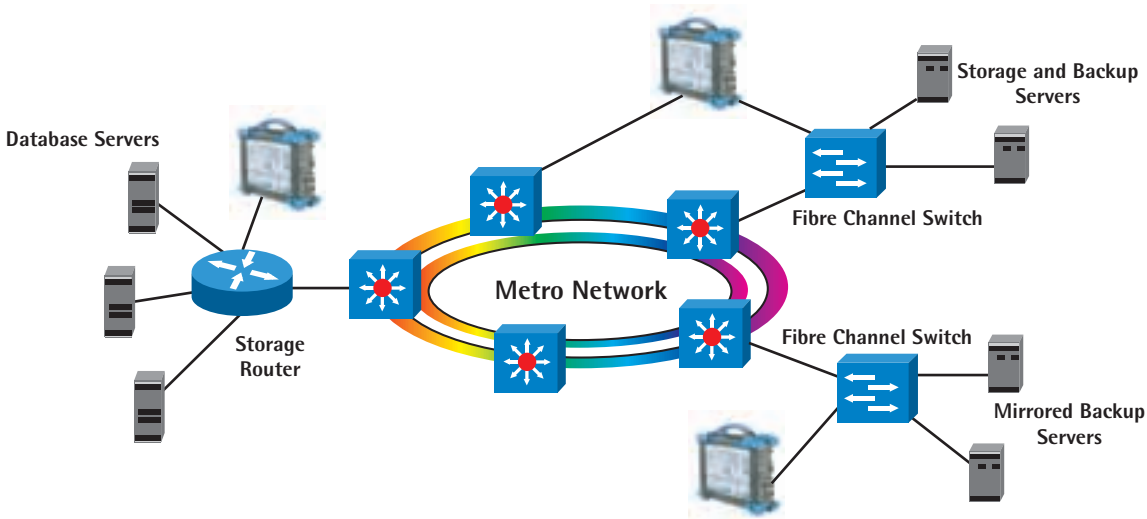
Housed in the FTB-400 Universal Test System, EXFO's FTB-8520 Packet Blazer SAN Test Module brings FC-0, FC-1 and FC-2 logical layer Fibre Channel testing to services delivered via transport protocols, such as DWDM, SONET/SDH and dark fiber. It provides valuable timing information and buffer credit estimation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



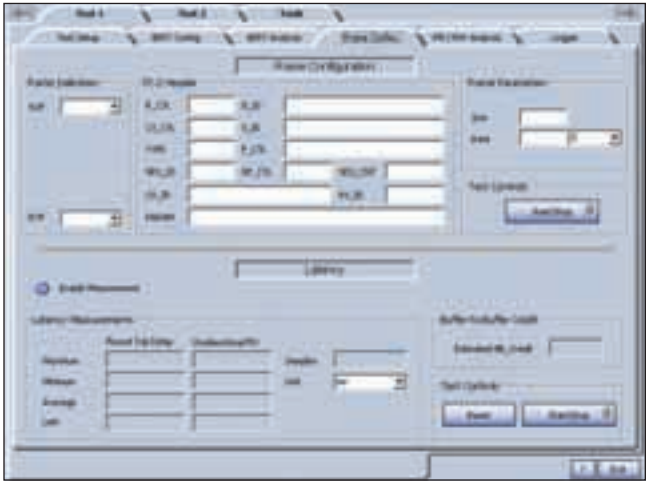
Thanks to end-to-end network testing capabilities, EXFO's FTB-8520 enables fast deployment and configuration of Fibre Channel networks. Communication between the transport network, interconnection devices and end nodes can be validated with features such as BER testing, latency measurement, buffer-to-buffer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

# 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)	2.5 cm x 9.6 cm x 26 cm	(1 in x 3 <sup>3</sup> / <sub>4</sub> in x 10 <sup>1</sup> / <sub>4</sub> in)
Temperature	operating 0 °C to 40 °C storage -40 °C to 60 °C	(32 °F to 104 °F) (-40 °F to 140 °F)

**ORDERING INFORMATION**

**FTB-85XX**

**MODULE**

**Model**

FTB-8520-1: Packet Blazer SAN, 1 port  
 FTB-8520-2: Packet Blazer SAN, 2 ports  
 FTB-8521 (software option)

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

**TEST KIT**

**Screen code**

D3: STN passive screen  
 D4: TFT active screen

**Memory**

N10: 256 MB  
 N12: 512 MB

**Expansion unit**

00: 2-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

**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

**TRANSCIVER**

**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

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).



**Rugged Handheld Solutions**

- OLTS
- Power meter
- Light source
- Talk set



**Optical Fiber**

- OTDR
- OLTS
- ORL meter
- Switch

**DWDM Test Systems**

- OSA
- PMD analyzer
- Chromatic dispersion analyzer
- Multiwavelength meter

**Telecom/Datacom**

- 10/100 and Gigabit Ethernet
- SONET/SDH (DS0 to OC-192c)
- SDH/PDH (64 kb/s to STM-64c)

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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. **Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.** For the most recent version of this spec sheet, please go to the EXFO website at <http://www.exfo.com/specs> In case of discrepancy, the Web version takes precedence over any printed literature.

