SAN TEST MODULE

IQS-8520 Packet Blazer

R&D AND MANUFACTURING—TRANSPORT AND DATACOM

- Fully integrated test and measurement functionality for verifying, commissioning and maintaining Fibre Channel networks and devices
- 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
- 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

The Next Step in Fibre Channel Network Testing

EXFO's IQS-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 or performance verification of Fibre Channel devices. Whether in manufacturing, lab or R&D environment, EXFO's IQS-8520 Packet Blazer simplifies and speeds up the development and deployment of Fibre Channel-based technology.

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 links

EXFO's IQS-8520 Packet Blazer SAN Test Module is housed in the IQS-500 Intelligent Test System, EXFO's powerful lab/manufacturing test platform

MANUFACTURING, LAB AND R&D ENVIRONMENTS

The one-slot IQS-8520 Packet Blazer module is housed in the IQS-500 Intelligent Test System, a rack-mount platform ideal for manufacturing, lab and R&D environments. The IQS-500 platform offers up to 10 slots that can welcome any combination of modules from EXFO's full range of industry-proven protocol and optical test modules–a first in the industry.

Combined with the built-in IQS Manager software, the IQS-500 platform provides an easy-to-use environment to manage your modules, configure your system, launch applications and analyze results. The IQS-500 is supplied with LabVIEW drivers and ActiveX/COM interfaces. What's more, it can be controlled using local applications or through GPIB, RS-232 or Ethernet interfaces.

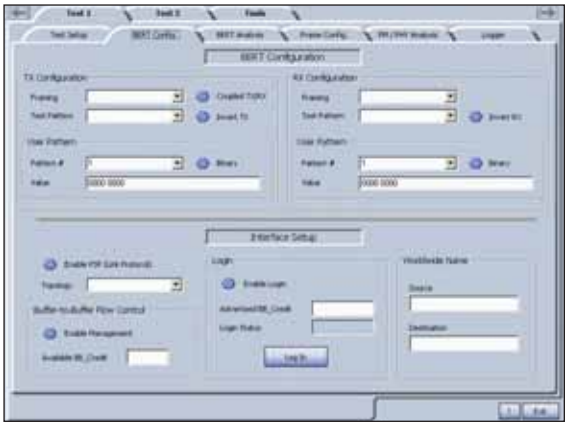
Efficient Testing Leads to Reliable Performance

With its extensive suite of test and measurement functions, the IQS-8520 Packet Blazer SAN Test Module enables the precise testing of Fibre Channel services and devices and helps you ensure long-term integrity and error-free data delivery across Fibre Channel links.

This test module performs end-to-end latency testing, full-duplex (100 Mb/s and 200 Mb/s) simultaneous traffic generation and analysis at 100 % wire speed and complete bit-error-rate testing (BERT)–all key metrics for Fibre Channel links.

USER-FRIENDLY INTERFACE

The IQS-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.



BUFFER-TO-BUFFER CREDIT ESTIMATION

Estimating buffer credit values is a crucial part of Fibre Channel network deployment. The buffer-to-buffer credit estimation feature allows the IQS-8520 to accurately estimate the buffer credits required in a Fibre Channel link based on link length, latency and peak-traffic analysis.

THE IQS-8000 PROTOCOL SERIES

Tailored for the manufacturing, lab and R&D environments, EXFO's wide range of protocol test and measurement modules includes:

- IQS-8510 Packet Blazer Gigabit Ethernet Test Module (dual-port)
- IQS-8510G Packet Blazer 10 Gigabit Ethernet Test Module
- IQS-8520 Packet Blazer SAN Test Module (dual-port Fibre Channel testing)

Contact your local EXFO representative for details on our products, or go to www.rootscomm.com.cn

SPECIFICATIONS

	IQS-8520-1	IQS-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	850 nm short-wave optics
	1310 nm long-wave optics	1310 nm long-wave optics
	1550 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)	0.75 kg	(1.65 lb)
Size (H x W x D)	125 mm x 36 mm x 282 mm	(4 $^{15}/_{16}$ in x 1 $^{7}/_{16}$ in x 11 $^{1}/_{8}$ in)
Temperature		
operating	0 °C to 40 °C	(32 °F to 104 °F)
storage	–40 °C to 60 °C	(–40 °F to 140 °F)

ORDERING INFORMATION

MODULE

IQS-85XX-XX

Model
IQS-8520-1 = Packet Blazer SAN, 1 port
IQS-8520-2 = Packet Blazer SAN, 2 ports

Software option
00 = 100 MB/s standard software
200 = 200 MB/s optional software

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

IQS-852X
IQS-8521: 200 MB/s software option

UPGRADE KIT

IQS-858X
IQS-8582: 2-port upgrade kit for IQD-8520 Packet Blazer SAN

ROOTS COMMUNICATIONS

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