



# EXFO High Speed Multiservice Test Module User Guide

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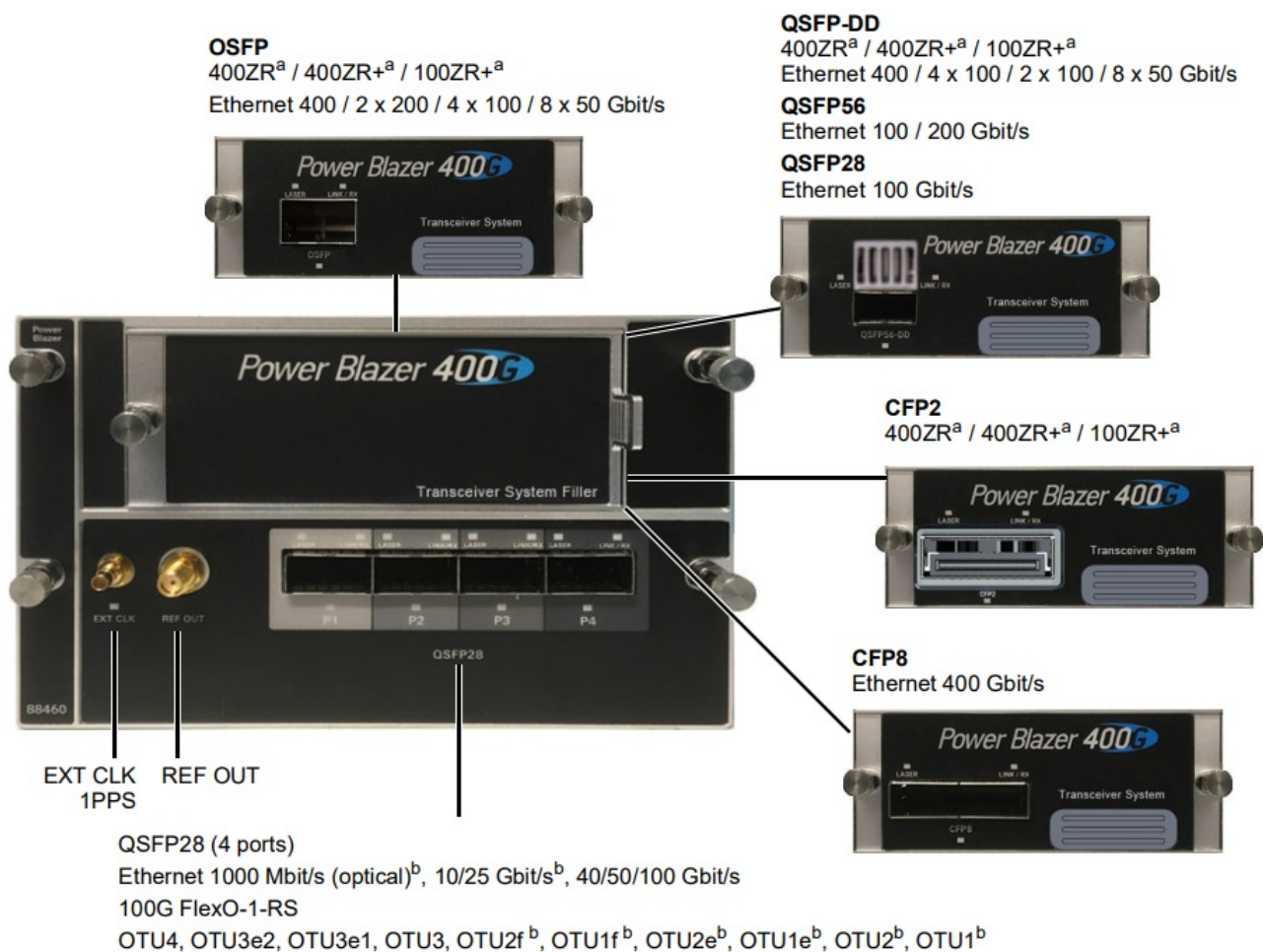
**Quick Reference Guide**  
**HIGH-SPEED MULTISERVICE TEST MODULE**  
**Power Blazer**  
**FTBx-88460**

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## Physical Interfaces

Connect the signal to the corresponding interface on the module. Insert an EXFO supported transceiver into the port's slot, then carefully connect optical fiber cables to the transceiver IN (RX) and OUT (TX) ports.



- a. Requires revision B of the FTBx-88460 module and TA4-OSFPv2/TA4-QSFP-DDv2/TA4-CFP2v2.  
b. Requires a QSFP28 to SFP28 transceiver adapter.

## Starting the Application

From **ToolBox X**, tap the Power Blazer application button.



## Configuring and Starting a Test

Tap on a test application.



## For Intelligent Apps:

### iOptics

- 2 Tap the desired port icon.
- Once the transceiver is correctly detected ✓, its rate is displayed.
- 3 Select the test parameters and thresholds.
- 4 Tap the **Start** button to start the test.

The screenshot shows the iOptics application interface. On the left, there's a 'Test Applications' menu with 'Test Configurator' and 'System'. The 'Test Configurator' is active, showing an 'Optical Device Under Test' section with a diagram of a device with ports P1, P2, P3, and P4. P1 is selected. Below this, there's a table of test results for various parameters like Rate, Vendor Name, Part Number, Serial Number, Connector Type, and Mode. The 'Test Sequence' section shows a list of tests: I/O Interface Quick Check, Optical TX Power Test, Optical RX Power Test, Bit Error Test, and Excessive Skew Test. Each test has a 'Completed, Pass' status. The 'Monitoring' section shows a gauge for Power Consumption and a bar chart for Temperature. The 'Start' button is visible on the right side of the interface.

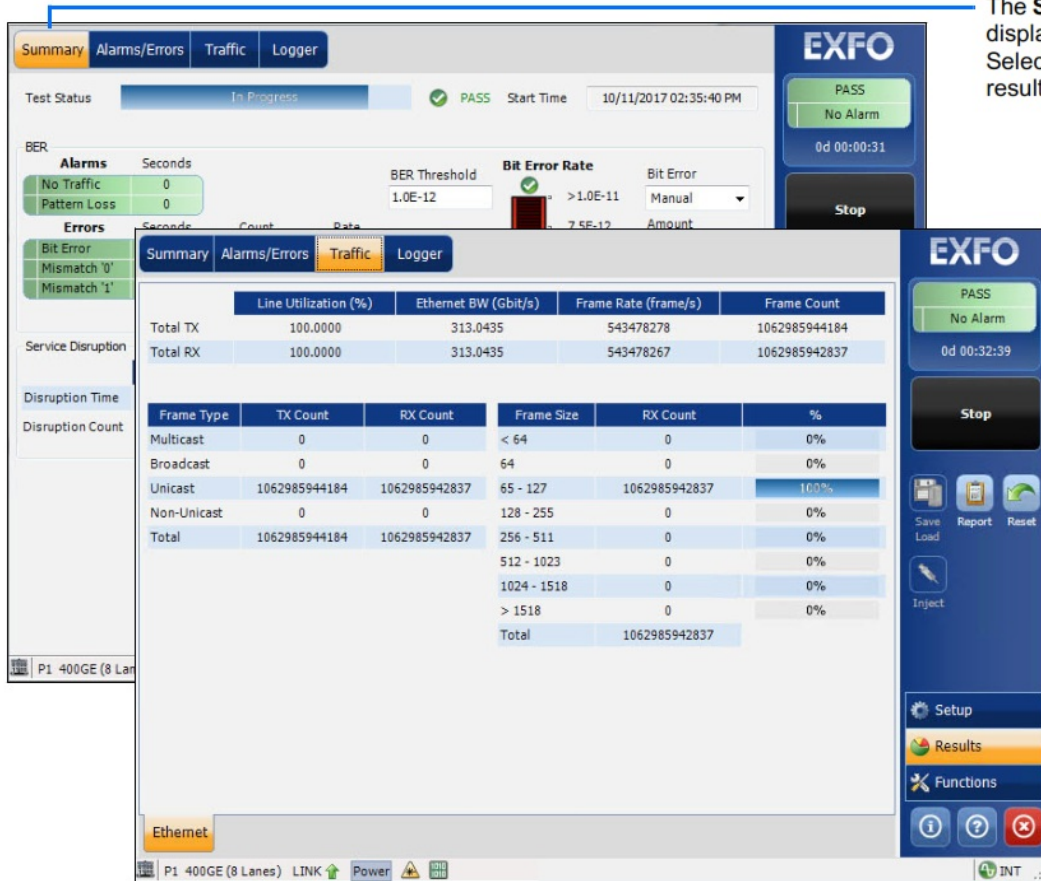
## For Transport / Ethernet:

- 2 Tap the **Modify Structure** button to see the basic structure of the test such as interface/rate, connector, etc.
- 3 Check for the CFP optical validation check mark ✓ indicating that the CFP matches the configured interface/rate.
- 4 Tap the interface block to configure the interface/signal parameters. Ensure that the link is up and the power level (when supported) is present in the status bar before proceeding to the next step.
- 5 Tap the protocol block to configure the frame structure and its parameters.
- 6 Tap the test block to configure specific test settings.
- 7 Tap the **Start** button to start the test.

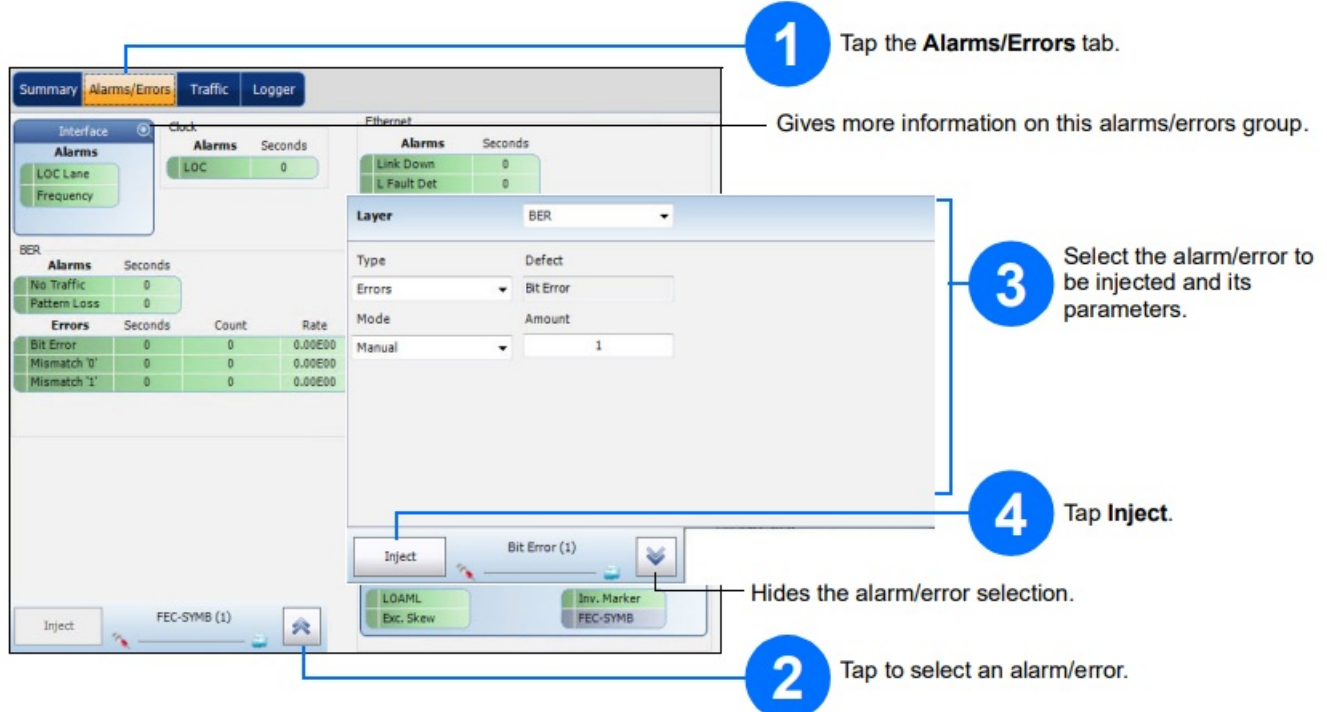
Note: For advanced testing, tap the **Functions** button.

The screenshot shows the EXFO application interface for Ethernet transport testing. The 'Test Applications' menu has 'EtherBERT' selected. The 'EtherBERT' test configuration is shown, including a diagram of the test setup with a 'Transceiver' block and a 'Protocol' block. The 'Modify Structure' button is visible. Below the main interface, there are three inset windows showing detailed configuration options: 'Modify Structure' (Interface, Connector, Framing), 'Modify Frame Structure' (MAC, VLAN, Payload, PFC), and 'Test Settings' (Pattern, Service Disruption, Timing, etc.).

## Getting Results

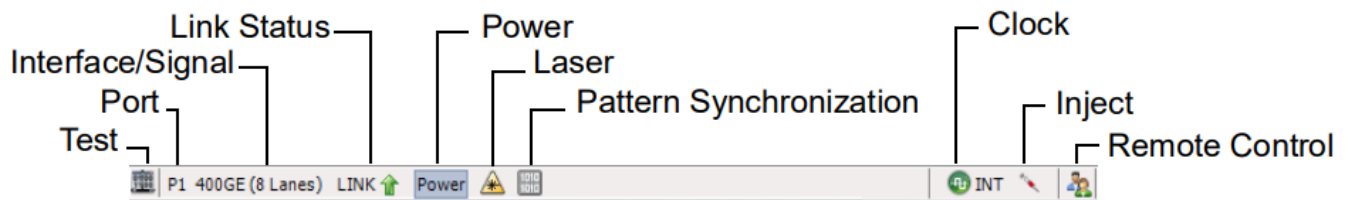


## Alarm/Error Injection



## Status Bar





## Global Indicator

The global indicator displays the pass/fail verdict, global alarm, timer, and/or test duration



Tap anywhere within the global indicator area to see the maximized view of these indicators.

## Test Control Buttons

	<b>Start Stop</b>	Starts test. Available when the test is not running. Stops test. Available when the test is running.
	<b>Save Load</b>	Saves, loads, imports, exports, and deletes configuration file(s). Available when the test is not running.
	<b>Report</b>	Saves, opens, imports, exports, and deletes test report(s). Available when the test is running or stopped, but the report generation (save) is only possible when the test is stopped.
	<b>Laser (on)</b>	Indicates that the laser control is on (for at least one lane for parallel interface); the laser button has a red border. Tapping this button will turn off the laser (for all lanes for parallel interface).
	<b>Laser (off)</b>	Indicates that the laser control is off (for all lanes for parallel interface). Tapping this button will activate the laser immediately by emitting an optical laser signal (on all lanes for parallel interface).
	<b>Reset</b>	Clears results, statistics, and logger content. Available when the test is running.
	<b>Inject</b>	Injects alarms/errors based on settings from the Inject button from the Results – Alarms/Errors tab.
	<b>More/ Less</b>	The More/Less button appears when there is not enough room to display all available test control buttons.



PIN: 1082796  
Version: 12.0.0.1  
For more information,  
refer to the user guide.

## Documents / Resources



[EXFO High Speed Multiservice Test Module](#) [pdf] User Guide  
High Speed Multiservice Test Module, High, Speed Multiservice Test Module, Multiservice Test Module, Test Module, Module

Manuals+