

Getting Results

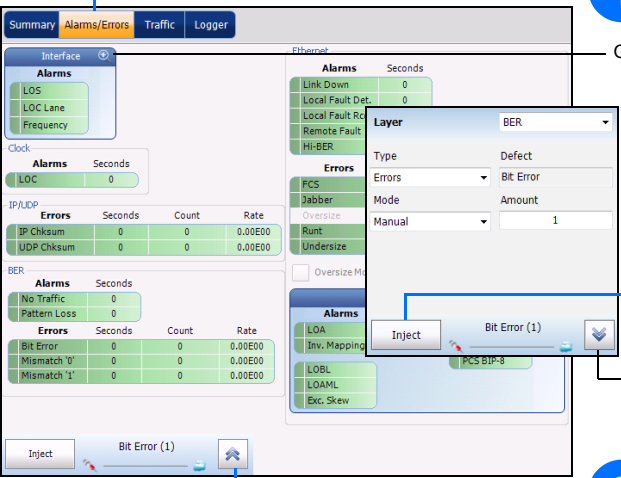


The **Summary** tab is automatically displayed once the test is started. Select a tab to get additional test results.

The **Stop** button is displayed when the test is running.

Test control buttons are reconfigured according to the test application and status.

Alarm/Error Injection



1 Tap the **Alarms/Errors** tab.

2 Gives more information on this alarms/errors group.

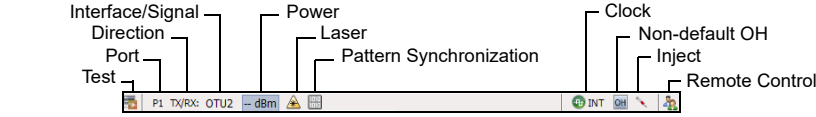
3 Select the alarm/error to be injected and its parameters.

4 Tap **Inject**.

Hides the alarm/error selection.

2 Tap to select an alarm/error.

Status Bar



Additional Status Bar Symbols:

	Connection established between two testing units in Dual Test Set (DTS) , EXFO Worx Interop , or in Loop Up mode.
	Connection not established between two testing units in Dual Test Set (DTS) , EXFO Worx Interop , or in Loop Up mode.
	Remote unit is busy (locked) in EXFO Worx Interop operation mode.
	LINK: Port link PTP: 1588 PTP, PTP Frames ESMC: SyncE, ESMC Frames
	Loopback Tool (Only available with 8870/8880)
(BTS)	CPRI, Base Station emulation mode
(RRH)	CPRI, Remote Radio Head emulation mode

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 view the maximized view of these indicators.

Test Control Buttons

	Start	Starts test. Available when the test is not running.
	Stop	Stops test. Available when the test is running.
	TX	Enables traffic generation and starts test. Available with Traffic Gen & Mon and eCPRI BERT.
	Save Load	Saves, loads, imports, exports, and deletes configuration file(s). Available when the test is not running.
	Report	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.
	Laser (on)	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). Only available with optical ports.
	Laser (off)	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). Only available with optical ports.
	Reset	Clears results, statistics, and logger content. Available when the test is running.
	Inject	Injects alarms/errors based on settings from the Inject button from the Results - Alarms/Errors tab.
	Discover Remote	Discovers and connects to a remote module that loops back the traffic via Smart Loopback or Dual Test Set (DTS).
	Lpbk Tool	Loops back the Ethernet frames/packets that are received on the port unused by the main test application. Only available with 8870/8880.
	More/Less	The More/Less button appears when there is not enough room to display all available test control buttons.

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Quick Reference Guide

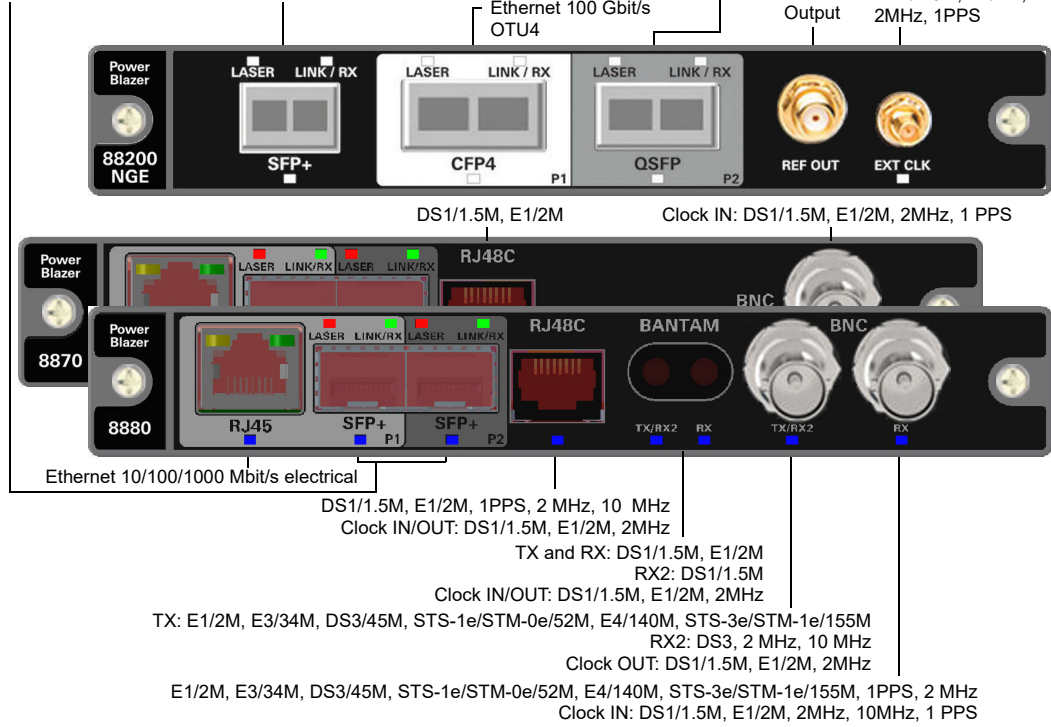
HIGH-SPEED MULTISERVICE TEST MODULE

Power Blazer and NetBlazer
FTBx-88000 Series

Physical Interfaces

Connect the signal to the corresponding interface on the module. For optical port, 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.

Ethernet 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s optical
Ethernet 10/100/1000 Mbit/s electrical (using active copper SFP)¹
Fibre Channel 1X, 2X, 4X, 8X, 10X, 16X²
CPRI 1.2, 2.4, 3.1, 4.9, 6.1, 9.8, 10.1 Gbit/s
OBSAI 1.5, 3.1, 6.1 Gbit/s
OC-1/STM-0, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, OC-192/STM-64
OTU1, OTU2, OTU1e, OTU2e, OTU1f, OTU2f



1. Available on P1 for 88200NGE and on P2 for 8870/8880
2. Available on 88200NGE

For more information,
refer to the user guide.



Starting the Application

From ToolBox X, tap either the Power Blazer or the NetBlazer application button.

Selecting, Configuring, and Starting a Test

1 Tap on a test application.

2 Tap the **Modify Structure** button to set the basic structure of the test such as interface/rate, connector, etc.

3 For CFP4/QSFP interface, check for the CFP4/QSFP optical validation check mark indicating that the CFP4/QSFP matches the configured interface/rate.

4 Tap the interface block to configure the interface/signal parameters. Ensure that the link is up (except for Transport applications) 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 either the frame structure and its parameters for Ethernet test applications or the embedded signal for Transport test applications. This block is not present for all tests.

6 Tap the test block to configure specific test settings. This block is not present for all tests.

7 Tap the clock block to configure the clock synchronization.

8 Tap the **Start** button to start the test.

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

Status Bar

For Intelligent Apps:

iOptics

2 Tap the desired port icon.

3 Once the transceiver is correctly detected , select its rate.

4 Select the test parameters and thresholds.

5 Tap the **Start** button to start the test.

iSAM

2 Select the basic port parameters or click on **More** for full settings. Ensure that the link is up and the power level (when supported) is present in the status bar before proceeding to the next step.

3 Select the basic test parameters or click on **More** for all settings.

4 Select the remote operation mode: **Dual Test Set**, **Remote Loopback**, or **Manual Loopback**.

5 Select the basic remote parameters or click on **More** for full settings.

6 Tap the **Start** button to start the test.

100GE (4 Lanes) LINK Power

100GE (4 Lanes) [103.125 Gbit/s]

LINK Local Fault Detected Local Fault Received Remote Fault

LOA Hi-BER Remote Fault Emulation

Physical Interface

Optical Lane	Laser	TX Power (dBm)	Wavelength (nm)	RX Power (dBm)	Min RX Power (dBm)	Max RX Power (dBm)
0	ON	0.00	0.00	0.00	0.00	0.00
1	ON	0.00	0.00	0.00	0.00	0.00
2	ON	0.00	0.00	0.00	0.00	0.00
3	ON	0.00	0.00	0.00	0.00	0.00

Laser ON/OFF Laser OFF at Start-Up Power Range (dBm) -- To --

Modify Structure

TX/RX Interface/Rate OTU4 (4 Lanes) [111.81 Gbit/s]

Connector Port A1 - CFP4

Framing Framed

OTN Multiplexing ODU4 Config Mux

Client Pattern

Topology

Coupled (TX=RX) Through

OK Cancel

Dual Test Set

Dual Test Set Disconnected

Discover Remote

Global Options

Flow Direction Local To Remote

Rate Unit %

Pass/Fail Verdict

Subtests

Subtests	Estimated Time (H:MM)
Throughput	00:01
Back-to-Back	00:01
Frame Loss	00:02
Latency	00:01
Total	00:06

Frame Distribution

Frame Distribution RFC 2544

Quantity 7

Frame Size (Bytes) 64 128 256 512 1024 1280 1518

Restore RFC 2544 Defaults

Global Subtests

Services

Modify Frame Structure Couple with Interface

Preamble/SFD MAC IP UDP Payload FCS

Destination MAC Address FE:FE:FE:FE:FE:FE

Source MAC Address 00:00:00:00:00:00

Destination MAC Address Not Resolved Resolve MAC Address

Source MAC Address 00:00:00:00:00:00

EtherType 0x0800

Service Service 1 Enable

Total TX Rate (%) 0.0000

Information Rate %

SLA Parameters

CIR 50.0000

CIR+EIR

Burst Size

CBS

EBS

Performance Criteria

Max Jitter (ms) 15.0

Round-trip Latency (ms) 15.0

Frame Loss (%) 0.0

Test Parameters

Traffic Policing (%) 92.1739

Burst Max Rate

Profile Data

Frame Size (Bytes) Fixed 88

Profile MAC/IP/UDP Global