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**Data Sheet**

August 13, 2026

EXFO

## Exfo IQS-8830NGE Packet Blazer

The Exfo IQS-8830NGE Packet Blazer is a network performance testing module. It is designed to test the performance of Ethernet and IP networks, and supports a wide range of testing protocols, including RFC 2544, Y.1564, and RFC 6349. This module is typically used by network engineers and technicians to verify network performance, troubleshoot network issues, and ensure quality of service.



MODEL

**Exfo IQS-8830NGE**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**IQS-8830NGE**

LISTING

<https://aumictechlabs.com/products/iqs-8830nge-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Exfo IQS-8830NGE Packet Blazer is a 10 Gigabit Ethernet multiservice test module engineered for turn-up, validation, and troubleshooting across diverse network services. It delivers dual-port 10 GbE testing alongside support for SONET/SDH, OTN, and Fibre Channel interfaces, plus packet synchronization via SyncE and 1588 PTP. The module integrates with EXFO's FTB-500, FTB-2, and FTB-2 Pro platforms for both lab and field deployment, with an IQS-600 variant available for higher port density. Technical Specifications Ethernet Testing Dual-port 10 Gigabit Ethernet with simultaneous traffic generation and analysis EtherSAM (ITU-T Y.1564) and RFC 2544 test suites for service activation and performance validation Multistream traffic generation supporting up to 16 configurable streams with QoS parameters (VLAN ID, VLAN priority, ToS, DSCP) Traffic Scan for monitoring multiple VLAN streams Through-mode testing for

in-service troubleshooting of live traffic Single-module loopback capability for reduced test setup complexity OTN Testing ITU-T G.709 compliance with Forward Error Correction (FEC) support OTU1 through OTU4 rates including standard and overclocked variants SONET/SDH Testing Interface coverage from OC-3/STM-1 to OC-192/STM-64 Fibre Channel Testing Support for 1x, 2x, 4x, 8x, 10x, and 16x interface rates BER testing and latency measurement capabilities Advanced Protocol Support TCP throughput testing per RFC 6349 at wire speed with stateful analysis for SLA validation IPv4 and IPv6 protocol testing for IP stack transition scenarios VLAN/MPLS with Q-in-Q VLAN tag support and Traffic Scan CPRI testing (framed and unframed) with service disruption test (SDT) capability for FTTA applications Packet jitter measurement per RFC 3393 Packet synchronization troubleshooting (SyncE/1588 PTP) Traffic Control Burst and ramp traffic shaping Preprogrammable error injection for comprehensive fault simulation

**Key Features** Multiservice architecture eliminates module swaps for heterogeneous network testing Dual-port architecture enables simultaneous bidirectional testing or independent parallel tests Full frame-size and line-rate RFC 2544 automation QoS stream validation across configurable VLAN and DSCP parameters

**Typical Applications** Carrier Ethernet service activation and SLA verification SONET/SDH network commissioning and troubleshooting OTN backbone validation and FEC performance assessment Fibre Channel SAN deployment and performance characterization Packet synchronization network turn-up (SyncE/1588 PTP) Multi-protocol in-service testing and live traffic analysis

**Compatibility & Integration** Compatible with EXFO FTB-500, FTB-2, and FTB-2 Pro test platforms. IQS-600 format variant available for increased port density requirements.

## Features & description

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From manufacturer datasheet

### Features

- Multiservice Ethernet/SONET/OTN/FC to 11.3G

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### Applications

- 10G Carrier Ethernet turn-up (EtherSAM / RFC 2544)

## IQS8830NGE Characteristics / Specifications

| PARAMETER             | VALUE                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Model                 | IQS-8830NGE                                                                                                                     |
| Manufacturer          | EXFO                                                                                                                            |
| Instrument Type       | Multiservice Packet / Transport Test Module                                                                                     |
| Alias                 | FTB-8830NGE; Power Blazer 8830NGE; Packet Blazer                                                                                |
| Max rate class        | up to 11.3 Gbit/s                                                                                                               |
| RJ45 port             | 10/100/1000M electrical Ethernet                                                                                                |
| SFP port rates        | OC-1/3/12/48; STM-0/1/4/16; OTU1; FC 1x/2x/4x; 100/1000M optical                                                                |
| Ethernet GigE bundle  | 10/100/1000BASE-T; 100BASE-FX; 1000BASE-X                                                                                       |
| Ethernet 10GigE       | 10G LAN and 10G WAN                                                                                                             |
| SONET SDH 2.5G bundle | OC-1/STM-0 through OC-48/STM-16                                                                                                 |
| SONET SDH 10G option  | OC-192/STM-64 (9953M)                                                                                                           |
| OTN OTU               | 10.709 Gbit/s                                                                                                                   |
| OTN OTU2e class       | 11.049 / 11.096 Gbit/s options                                                                                                  |
| OTN OTU2f class       | 11.270 / 11.318 Gbit/s options                                                                                                  |
| Fibre Channel options | 1x; 2x; 4x; 8x; 10x; 16x                                                                                                        |
| Ethernet apps         | EtherSAM Y.1564; RFC 2544; EtherBERT; traffic; Through mode                                                                     |
| Sync options          | SyncE; 1588 PTP; G.8275.1 profile option                                                                                        |
| OAM options           | Y.1731; 802.1ag; MEF; Link OAM                                                                                                  |
| Other options         | IPv6; MPLS; RFC 6349; packet capture; dual-port 10 GigE                                                                         |
| Platform IQS          | laboratory IQS mainframe module                                                                                                 |
| Platform FTB          | FTB-2 Pro / FTB field platforms                                                                                                 |
| Discontinued date     | 2017-03-31                                                                                                                      |
| End of service date   | 2022-03-31                                                                                                                      |
| Replacement class     | FTBx-8870/8880 10G multiservice modules                                                                                         |
| Form                  | single-slot multiservice blazer module Notes Specs from EXFO<br>FTB/IQS-8830NGE Power Blazer discontinued specification sheets. |

| PARAMETER | VALUE                                                                                      |
|-----------|--------------------------------------------------------------------------------------------|
|           | Confirm licensed rate bundles (Ethernet/SONET/OTN/FC/Sync) on the installed configuration. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications                                                                   |                                                  |
|----------------------------------------------------------------------------------|--------------------------------------------------|
| Specifications                                                                   |                                                  |
| PARAMETER                                                                        | VALUE                                            |
| Model                                                                            | IQS-8830NGE                                      |
| Manufacturer                                                                     | EXFO                                             |
| Instrument Type                                                                  | Multiservice Packet / Transport Test Module      |
| Specifications                                                                   |                                                  |
| PARAMETER                                                                        | VALUE                                            |
| Alias                                                                            | FTB-8830NGE; Power Blazer 8830NGE; Packet Blazer |
| Max rate class                                                                   | up to 11.3 Gbit/s                                |
| RJ45 port                                                                        | 10/100/1000M electrical Ethernet                 |
| SFP port rates: OC-1/3/12/48; STM-0/1/4/16; OTU1; FC 1x/2x/4x; 100/1000M optical |                                                  |
| SFP+ port rates: OC-192/STM-64; 10 GigE LAN/WAN; OTU2/1e/2e/1f/2f; FC 8x/10x/16x |                                                  |
| Specifications                                                                   |                                                  |
| PARAMETER                                                                        | VALUE                                            |
| Ethernet GigE bundle                                                             | 10/100/1000BASE-T; 100BASE-FX; 1000BASE-X        |
| Ethernet 10GigE                                                                  | 10G LAN and 10G WAN                              |
| SONET SDH 2.5G bundle                                                            | OC-1/STM-0 through OC-48/STM-16                  |
| Specifications                                                                   |                                                  |
| PARAMETER                                                                        | VALUE                                            |
| SONET SDH 10G option                                                             | OC-192/STM-64 (9953M)                            |
| OTN OTU2                                                                         | 10.709 Gbit/s                                    |
| OTN OTU2e class                                                                  | 11.049 / 11.096 Gbit/s options                   |
| Specifications                                                                   |                                                  |
| PARAMETER                                                                        | VALUE                                            |
| OTN OTU2f class                                                                  | 11.270 / 11.318 Gbit/s options                   |
| Fibre Channel options                                                            | 1x; 2x; 4x; 8x; 10x; 16x                         |

| PARAMETER     | VALUE                                                       |
|---------------|-------------------------------------------------------------|
| Ethernet apps | EtherSAM Y.1564; RFC 2544; EtherBERT; traffic; Through mode |

Specifications

| PARAMETER     | VALUE                                                   |
|---------------|---------------------------------------------------------|
| Sync options  | SyncE; 1588 PTP; G.8275.1 profile option                |
| OAM options   | Y.1731; 802.1ag; MEF; Link OAM                          |
| Other options | IPv6; MPLS; RFC 6349; packet capture; dual-port 10 GigE |

Specifications

| PARAMETER         | VALUE                           |
|-------------------|---------------------------------|
| Platform IQS      | laboratory IQS mainframe module |
| Platform FTB      | FTB-2 Pro / FTB field platforms |
| Discontinued date | 2017-03-31                      |

Specifications

| PARAMETER           | VALUE                                   |
|---------------------|-----------------------------------------|
| End of service date | 2022-03-31                              |
| Replacement class   | FTBx-8870/8880 10G multiservice modules |
| Form                | single-slot multiservice blazer module  |

Notes

Specs from EXFO FTB/IQS-8830NGE Power Blazer discontinued specification sheets. Confirm licensed rate bundles (Ethernet/SONET/OTN/FC/Sync) on the installed configuration.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.