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Data Sheet

August 13, 2026

EXFO

EXFO EPX-6000E Gigabit Ethernet Transceiver

The EXFO EPX-6000E is a Gigabit Ethernet transceiver designed for high-performance network testing and monitoring. It enables accurate bit-error-rate testing (BERT) and throughput analysis for Gigabit Ethernet links. Ideal for field technicians and lab engineers, this transceiver ensures reliable network performance validation.



MODEL

Exfo EPX-6000E

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EPX-6000E

LISTING

<https://aumictechlabs.com/products/epx-6000e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO EPX-6000E is a Gigabit Ethernet transceiver engineered for network testing and monitoring across 1000 Mbps links. It delivers accurate Bit Error Rate Testing (BERT) and throughput analysis capabilities, making it essential for field technicians and laboratory engineers validating network performance in production and maintenance environments. Technical Specifications Interface Standard: Gigabit Ethernet (1000 Mbps) Product Type: Gigabit Ethernet Transceiver Operating Temperature: Adapts to ambient temperature with automatic thermal shutdown protection at critical limits Laser Safety Classification: Class 1M or Class 3R (optical models) RF Band (where applicable): Bluetooth 2.4 GHz (2400 MHz – 2480 MHz) with typical output power of 4 dBm Regulatory Compliance: FCC Part 15 Key Features Bit Error Rate Testing (BERT) for precise link characterization Throughput analysis on Gigabit Ethernet infrastructure Field-deployable design with thermal management Optical interface support with integrated laser

safety measures Typical Applications Network performance validation and acceptance testing
Field troubleshooting of Gigabit Ethernet links Laboratory characterization and quality assurance
Link quality monitoring in production environments Compatibility & Integration The EPX-6000E
integrates with standard Gigabit Ethernet infrastructure. EXFO's broader modular platform
ecosystem (FTB series) supports multi-module configurations, enabling flexible test system
deployment where additional transceiver modules and specialized test functions can be hosted on
a common chassis.

Features & description

From manufacturer datasheet

Features

• Multi-rate OC-3 / OC-12 / OC-48 operation • Independent path control for embedded channels • Concatenated payloads STS-6c / STS-9c / STS-24c class • Independent Tx overhead sequencing and Rx capture • Variable transport overhead byte delay (fiber length emulate) • Housed in scalable multi-channel EPX chassis • Complements EPX6100 for OC-192 deep channelization • Multi-user remote EPXam / web control class

Applications

• MSPP / multi-service provisioning platform turn-up • Deep channelization testing across embedded SONET channels • Protocol-layer testing of optical switches and cross-connects • Independent per-path BERT within an OC-N trunk • Metro/edge network element verification

EPX6000E Characteristics / Specifications

PARAMETER	VALUE
Model	EPX6000 / EPX-6000E
Manufacturer	EXFO / Gnubi
Instrument Type	2.5G plus Multi Rate SONET/SDH Transceiver Module
Alias	EPX-6000E; EPX6000; EPX 6000E
Catalog naming note	sometimes labeled Gigabit Ethernet; OEM is multi-rate SONET/SDH
Rate OC	155 Mbit/s
Upgrade companion	EPX6100 for OC-192 (10 Gbit/s)
Deep channelization	yes (MSPP grooming)
Independent path control	yes
Concatenated channel types	STS-6c; STS-9c; STS-24c
Overhead Tx sequencing	independent
Overhead Rx capture	independent
Overhead byte delay	variable (fiber length emulation)
Ethernet over SONET readiness	EoS concatenated services class
Chassis	EPX modular multi-channel platform
Slot form	plug-in transceiver module UI: EPXam graphical / remote web class
Primary market	system manufacturers and carriers
Application focus	protocol-layer metro/edge testing
Discontinued class	EXFO EPX family (support ended per EXFO listings)
Related Ethernet module	EPX5000 Dual Gigabit Ethernet (separate SKU)
Form	single EPX module
Test style	multi-channel concurrent Notes OEM Lightwave/EXFO materials describe EPX6000 as a 2.5G+ multi-rate transceiver (OC-3/12/48), notaGbE NIC; EPX5000 is the Dual Gigabit Ethernet module. Confirm faceplate labeling (EPX6000 vs EPX-6000E), optics, and licensed rates on the hardware.

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	
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Manufacturer	EXFO / Gnubi
Instrument Type	2.5G plus Multi Rate SONET/SDH Transceiver Module
Alias	EPX-6000E; EPX6000; EPX 6000E
Catalog naming note	sometimes labeled Gigabit Ethernet; OEM is multi-rate SONET/SDH
Rate OC 3	155 Mbit/s
Rate OC 12	622 Mbit/s
Rate OC 48	2.5 Gbit/s
Upgrade companion	EPX6100 for OC-192 (10 Gbit/s)
Deep channelization	yes (MSPP grooming)
Independent path control	yes
Concatenated channel types	STS-6c; STS-9c; STS-24c
Overhead Tx sequencing	independent
Overhead Rx capture	independent
Overhead byte delay	variable (fiber length emulation)
Ethernet over SONET readiness	EoS concatenated services class
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Notes

OEM Lightwave/EXFO materials describe EPX6000 as a 2.5G+ multi-rate transceiver (OC-3/12/48), not aGbE NIC; EPX5000 is the Dual Gigabit Ethernet module. Confirm faceplate labeling (EPX6000 vs EPX-6000E), optics, and licensed rates on the hardware.

Available from Aumictech

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

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

Aumictech

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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.