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Data Sheet

August 13, 2026

EXFO

EXFO EPX-600 OC-12/STM-4 Transmitter

EXFO EPX-600 OC-12/STM-4 Transmitter, High-speed optical transmitter supporting OC-12/STM-4 rates for telecom and metro network testing. Delivers stable and precise signals for verifying transmission quality and equipment compliance. Ideal for lab and system integration use in SONET/SDH environments requiring reliable 622 Mbps optical signal generation.



MODEL

Exfo EPX-600

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EPX-600

LISTING

<https://aumictechlabs.com/products/epx-600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO EPX-600 OC-12/STM-4 Transmitter is a high-speed optical transmitter engineered to generate stable, precise optical signals at 622 Mbps for SONET/SDH network testing. It validates transmission quality and verifies equipment compliance across telecom and metro network infrastructures, making it essential for laboratory characterization and system integration workflows where signal integrity cannot be compromised.

Technical Specifications
Data Rate: 622 Mbps
Supported Standards: OC-12 / STM-4
Signal Type: Stable and precise optical signals
Functionality: High-speed optical signal generation and transmission

Key Features
Generates compliant OC-12/STM-4 optical signals for network validation
Delivers precise timing and signal stability required for compliance testing
Designed for deterministic, repeatable test conditions in controlled environments
Supports SONET/SDH protocol verification and equipment characterization

Typical Applications
Transmission quality verification in telecom laboratories

Equipment compliance testing for SONET/SDH interfaces System integration and functional validation Network equipment characterization and performance assessment Compatibility & Integration The EPX-600 transmits OC-12/STM-4 signals to validate receiver performance and network equipment behavior in SONET/SDH environments. Integration into laboratory test benches and production validation systems targets network engineers, system integrators, and telecommunications equipment manufacturers requiring deterministic optical signal generation at metro network speeds.

Features & description

From manufacturer datasheet

Features

- Internal, BITS, and external clock sources

Applications

- Chassis timing reference for EPX SONET/SDH/PDH modules

EPX600 Characteristics / Specifications

PARAMETER	VALUE
Model	EPX-100
Manufacturer	EXFO / Gnubi
Instrument Type	Clock Source Module
Alias	EPX100; Gnubi EPX100; Clock Module
Connector interface	Bantam
Timing sources	internal; BITS timed; external
BITS input	yes
BITS output	yes (multi-unit timing)
External clock input	yes
External clock output	yes (scope/instrument trigger)
Frequency counter reference	EPX100 timing reference
Remote control	web browser
Chassis compatibility	all Gnubi/EXFO EPX chassis models
Slot usage	one slot
Part number examples	B0033-02; 0004-01; A0033-09
Referenced by modules	EPX200; EPX300; EPX610; other EPX TX/RX modules
Internal oscillator class (module examples)	±20 ppm (DS1 class boards) to ±50 ppm (DS3 class boards) on-board options when not using EPX100
Operating temperature class (EPX modules)	0 C to 40 C non-condensing
Form	modular chassis plug-in
Primary function	timing distribution and reference
Protocol role	synchronization for SONET/SDH/PDH test modules
Not an OC 3 optical transmitter	optical OC 3/STM 1 TX is EPX 600 class
Not STM 1 CMI transmitter	electrical STM 1 CMI TX is EPX 610
Catalog caution	some listings wrongly title EPX 100 as OC 3/STM 1 Transmitter Notes Specs from Gnubi/Artisan EPX100 clock source listings and EXFO

PARAMETER

VALUE

discontinued EPX module datasheets that reference EPX100 timing. If the physical unit is an optical OC-3 transmitter, re-identify as EPX-600/EPX-650 rather than EPX-100.

Operating temperature

class (EPX modules): 0 C to 40 C non-condensing

General Specifications & Supplementary Characteristics

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Operating temperature	class (EPX modules): 0 C to 40 C non-condensing
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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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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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<https://aumictechlabs.com>

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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.