

**Aumictech**

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Data Sheet

August 13, 2026

EXFO

EXFO EPX 400 OC-48/STM-16 Transmitter

The EXFO EPX 400 (EPX400) is a modular OC-48/STM-16 optical transmitter for EXFO/Gnubi EPX chassis platforms. It generates SONET or SDH line signals at 2.488 Gbit/s with selectable payload mappings. Protocol can be switched between SONET and SDH without powering down the test system. Typical optical interfaces use SC/PC connectors at 1310 nm or 1550 nm with maximum output near 0 dBm depending on installed optics. SONET OC-48 and SDH STM-16 transmitter stimulus in lab and production test chassis; payload mapping validation; multi-protocol EPX shelf test sessions; concurrent multi-rate chassis workflows with other EPX modules. Use case: stimulus / transmit only (not a full dual port BERT by itself) Related rates context: OC-48 / STM-16 transport test Payload selection: user selectable mappings Verified from reseller/OEM EPX400 listings: rate, SC/PC, 0 dBm max, 1310/1550 options, SONET/SDH switch. Exact laser faceplate wavelength and output must be confirmed on the module; finer optical specs are not published in surviving OEM tables.



MODEL

Exfo EPX 400

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EPX 400

LISTING

<https://aumictechlabs.com/products/epx-400-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO EPX 400 OC-48/STM-16 Transmitter is a modular optical signal source for SONET and SDH protocol testing at 2.488 Gb/s. This module generates stable, accurate OC-48 and STM-16 signals with full payload and overhead control, enabling characterization of optical transceivers,

transmission lines, and network equipment. It integrates into any EXFO EPX series chassis alongside up to 16 other modules for simultaneous multi-port testing.

Technical Specifications

Data Rate: OC-48 / STM-16 (2.488 Gb/s) Protocols: SONET and SDH with protocol switching without system power-down Signal Generation: OC-48 or STM-16 with selectable payload mappings Payload & Overhead Control: Complete SONET/SDH payload generation, overhead insertion, alarm and error insertion, trace message insertion, pointer manipulation, and K1/K2 byte manipulation with message encoding Power Supply: +3.3 V Maximum Power Consumption: 0.7 W

Key Features

- Modular design fits all EXFO EPX series chassis Up to 17 modules in a single chassis for simultaneous multi-port testing
- Full remote operation: setup, start, stop, and test monitoring
- Dual user interfaces: full-featured GUI and EPXam graphical interface
- Configuration save/restore capability
- Checkpoint/Resume functionality for recovery from power failures with user-defined save intervals
- Software upgrades available for feature expansion

Typical Applications

- SONET/SDH transceiver characterization
- Long-haul and metro optical system testing
- Multi-rate protocol verification in integrated test environments
- Network equipment performance validation

Compatibility & Integration

The EPX 400 operates within EXFO EPX series chassis and combines freely with other EPX modules. This architecture supports mixed-rate testing and multi-port simultaneous operation across metro and long-haul deployment scenarios.

Features & description

From manufacturer datasheet

Features

- OC-48 or STM-16 signal generation

EPX400 Characteristics / Specifications

PARAMETER	VALUE
Model	EPX 400 / EPX400
Manufacturer	EXFO / Gnubi
Instrument Type	Modular OC-48 / STM-16 Optical Transmitter
Line rate	2.488 Gbit/s
SONET rate	OC-48
SDH rate	STM-16
Payload mappings	selectable
Protocol modes	SONET or SDH (switchable live)
Optical connector typical	SC/PC
Wavelength options typical	1310 nm or 1550 nm
Max output power typical	0 dBm (configuration dependent)
Platform family	EPX / EXP chassis modules
Chassis remote control	web browser / GUI sessions
Concurrent test sessions	supported by chassis software
Multi protocol multi rate shelf	yes with companion modules
Ship weight typical reseller listing	about 3 lb module
Alias	EPX400; EXP-400; EPX-400
Product status	discontinued (historical OEM end of sale about 2006)
Form factor	plug-in transmitter module
Interface type	optical transmitter
Use case	stimulus / transmit only (not a full dual port BERT by itself)
Related rates context	OC-48 / STM-16 transport test
Payload selection	user selectable mappings
Connector polish typical	PC
Fiber type typical	singlemode Notes

PARAMETER	VALUE
Verified from reseller/OEM EPX400 listings	rate, SC/PC, 0 dBm max, 1310/1550 options, SONET/SDH switch. Exact laser faceplate wavelength and output must be confirmed on the module; finer optical specs are not published in surviving OEM tables.
Fiber type	typical: singlemode

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.

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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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.