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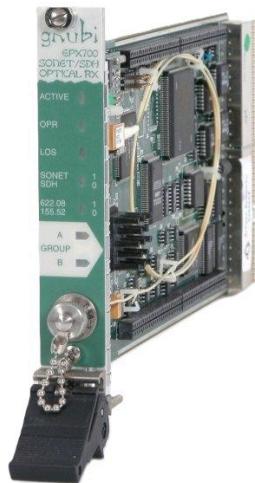
Data Sheet

August 14, 2026

EXFO

EXFO EPX 500 OC-48/STM-16 Receiver

EXFO EPX 500 OC-48/STM-16 Receiver, High-speed optical receiver module for OC-48/STM-16 link testing. Captures and analyzes 2.5 Gbps optical signals in SDH/SONET networks. Used for performance validation, monitoring, and compliance checks in high-speed optical infrastructures. Suitable for both field technicians and lab engineers.



MODEL

Exfo EPX 500

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EPX 500

LISTING

<https://aumictechlabs.com/products/epx-500-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO EPX500 is a high-speed optical receiver module for OC-48/STM-16 link testing at 2.488 Gbps within SONET/SDH networks. It delivers performance validation, monitoring, and compliance verification across high-speed optical infrastructures. The module installs into any gnubi chassis - including EPX16 and EPX8 platforms - and occupies a single slot. Protocol switching between SONET and SDH occurs without system power down, with selectable payload mappings for each standard. Technical Specifications Signal rates: SONET OC-48 (2.488 GHz), SDH STM-16 Optical interface: SC/PC connector Input power range: -28 dBm to -9 dBm Monitoring rate: 2.488 GHz Operating temperature: 0°C to 40°C (non-condensing) Chassis expandability: Up to 17 modules per chassis for multi-port testing Key Features Full-featured SONET/SDH payload monitoring and overhead capture SONET alarm and error monitoring with counts and ratios Live traffic analysis and performance statistics Service disruption measurement

(switch times for network elements and optical switches) SONET trace message monitoring Pointer event count and K1/K2 byte value monitoring PRBS (Pseudo-Random Binary Sequence) data pattern support Remote operation via web browser or EPXam GUI tools (Group Manager, Test Controls, Script Runner) Test configuration save/restore and logging Scripting support for test sequence automation Cross-user resource sharing Checkpoint/resume functionality for setup and test data recovery Typical Applications OC-48/STM-16 link performance validation SONET/SDH network compliance verification Optical infrastructure monitoring and troubleshooting Multi-port simultaneous testing Compatibility & Integration Compatible with all gnubi chassis models (EPX16, EPX8, and others). Operates as a plug-in module requiring one chassis slot. Supports both SONET and SDH protocols with protocol switching capability without system restart.

EPX500 Characteristics / Specifications

PARAMETER	VALUE
Model	EPX 500
Module Type	OC-48/STM-16 receiver
Optical Rate Class	OC-48 / STM-16
Bit Rate Class	2.488 Gbps class
Platform Family	EXFO EPX
Direction	Receiver
Protocol Family	SONET/SDH
Form Factor	EPX plug-in module
Series Family	EXFO EPX optical receivers
Sibling EPX 30	OC-192/STM-64 receiver
Control	Via host EPX platform software
Optical Connector Class	Per module faceplate
Wavelength Class	Per installed optics/faceplate
Application Class	Transport receive analysis
Hot Swap Class	Per platform manual
Related E1 Module	EPX 210
Host Platform Power	supplied by EPX mainframe
Firmware Dependency	features depend on EPX software version
Optical Or Electrical Connectors	per module faceplate labeling
Calibration Interval Class	per EXFO service policy and certificate
Operating Temperature Class	per EPX platform environmental limits
Storage Temperature Class	per EPX platform environmental limits
Safety Markings	per module and platform labels
Intended Use	transport network installation and maintenance
Storage temperature	Class: per EPX platform environmental limits

PARAMETER	VALUE
Operating temperature	Class: per EPX platform environmental limits

EPX500 Specifications

PARAMETER	VALUE
Applications	OC-48/STM-16 receive analysis for transport network turn-up and lab validation.
Key Features	OC-48/STM-16 receiver
Technical Specifications	Model: EPX 500

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: per EPX platform environmental limits
Operating temperature	Class: per EPX platform environmental limits
Operating Temperature	Class: per EPX platform environmental limits
Operating Temperature Class	per EPX platform environmental limits
Storage Temperature Class	per EPX platform environmental limits
Safety Markings	per module and platform labels
Intended Use	transport network installation and maintenance Notes From EXFO EPX 500 product identity as OC-48/STM-16 receiver. Warranted optical sensitivity/overload belong on the OEM module datasheet and calibration data for the optic installed.

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	EPX 500
Module Type	OC-48/STM-16 receiver
Optical Rate Class	OC-48 / STM-16
Bit Rate Class	2.488 Gbps class
Platform Family	EXFO EPX
Direction	Receiver
Protocol Family	SONET/SDH
Form Factor	EPX plug-in module
Series Family	EXFO EPX optical receivers
Sibling EPX-200: OC-3/STM-1 receiver	
Specifications	
PARAMETER	VALUE
Sibling EPX 3000	OC-192/STM-64 receiver
Control	Via host EPX platform software
Optical Connector Class	Per module faceplate
Wavelength Class	Per installed optics/faceplate
Application Class	Transport receive analysis
Hot Swap Class	Per platform manual
Related E1 Module	EPX 210
Related STM-1 Module: EPX 710	
Specifications	
PARAMETER	VALUE
Host Platform Power	supplied by EPX mainframe
Firmware Dependency	features depend on EPX software version
Optical Or Electrical Connectors	per module faceplate labeling

PARAMETER	VALUE
Calibration Interval Class	per EXFO service policy and certificate
Operating Temperature Class	per EPX platform environmental limits
Storage Temperature Class	per EPX platform environmental limits
Safety Markings	per module and platform labels
Intended Use	transport network installation and maintenance

Notes

From EXFO EPX 500 product identity as OC-48/STM-16 receiver. Warranted optical sensitivity/overload belong on the OEM module datasheet and calibration data for the optic installed.

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.