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Data Sheet

August 13, 2026

EXFO

EXFO EPX 950 OC-48/STM-16 Transceiver

Exfo / Gnubi EPX950 OC-48/STM-16 Transceiver Module The EXFO/Gnubi EPX950 is an OC-48/STM-16 (2.488 Gbit/s) SONET/SDH optical transceiver module for EPX chassis platforms. Typical configurations use a 1310 nm optical interface for transmit/receive testing with payload generation and monitoring, alarm/error insertion, and multi-session remote control through the EPX GUI/web environment. The EXFO/Gnubi EPX950 is an OC-48/STM-16 (2.488 Gbit/s) SONET/SDH optical transceiver module for EPX chassis platforms. Typical configurations use a 1310 nm optical interface for transmit/receive testing with payload generation and monitoring, alarm/error insertion, and multi-session remote control through the EPX GUI/web environment.



MODEL

Exfo EPX 950

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EPX 950

LISTING

<https://aumictechlabs.com/products/epx-950-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO EPX 950 OC-48/STM-16 Transceiver is a single-slot module for EXFO EPX series chassis, delivering integrated optical transmission and reception at 2.488 GHz for SONET OC-48 and SDH STM-16 payload generation, monitoring, and compliance testing. Operating at 1550 nm wavelength, It has an 18 dB optical link budget and reaches up to 40 kilometers over single-mode fiber, supporting data rates from 0.1 Gbps to 2.67 Gbps. Technical Specifications Signal Rate: SONET OC-48 at 2.488 GHz Wavelength: 1550 nm (transmission and reception) Data Rate Range: 0.1 Gbps to 2.67 Gbps Optical Link Budget: 18 dB guaranteed Transmission Distance: Up to 40

kilometers, single-mode fiber Transmitter: DFB laser Receiver: PIN photodiode Operating Temperature: 0° to 40° Celsius, non-condensing Laser Safety: Class 1 FDA and IEC60825-1 compliant

Key Features SONET/SDH payload generation and monitoring with protocol switching without power cycle Configurable OC-48 or STM-16 signal generation with selectable payload mappings Performance monitoring: alarms, errors, trace messages, pointer events, and K1/K2 byte tracking SONET/SDH overhead capture PRBS data pattern support Service disruption measurement via switch time analysis for network elements and multi-port optical switches Up to 17 modules supported simultaneously in compatible chassis for multi-port testing Web browser remote access and control Configuration save/restore with Checkpoint/Resume functionality Graphical user interface

Typical Applications OC-48/STM-16 network infrastructure testing and validation SONET/SDH performance evaluation in carrier-class optical networks Laboratory and field compliance testing Multi-port optical switch characterization

Compatibility & Integration Designed for EXFO EPX series chassis. Integrates with EPXam™ tools including Group Manager, Test Controls, and Script Runner for automated test execution and control.

Features & description

From manufacturer datasheet

Features

- OC-48 / STM-16 2.488 Gbit/s optical transceiver

Applications

- OC-48 / STM-16 optical transceiver BERT

EPX950 Characteristics / Specifications

PARAMETER	VALUE
Model	EPX950
Manufacturer	EXFO / Gnubi
Instrument Type	OC-48/STM-16 Optical Transceiver Module
Alias	EPX 950; Gnubi EPX950; EPX-950
Chassis	EPX series including EPX-8 and EPX-16
Slot usage	one slot
Line rate	OC-48 / STM-16
Bit rate	2.488 Gbit/s
Protocol	SONET / SDH
Wavelength typical	1310 nm
Optical function	transceiver (Tx and Rx)
Output power max class	0 dBm (listing class)
Input sensitivity range class	-28 dBm to -9 dBm (listing class)
Remote access	web browser UI: EPXam graphical and command-line
Concurrent sessions	multiple
Operating temperature class	0 C to 40 C non-condensing (EPX family)
Warranty standard class	1 year parts and labor (EPX family)
Timing references class	chassis clock modules / BITS / internal (EPX family)
Payload generation	SONET/SDH framed payloads
Alarm monitoring	yes
Error insertion	supported in EPX workflow
Multi module testing	yes within one chassis
Form	plug-in EPX card
Product family	EPX8 / EPX16 modular test system
Remote control features	set up; start; stop; monitor

PARAMETER	VALUE
Max modules per chassis class	up to 17 (EPX family)
Compliance class	SONET/SDH OC-48/STM-16 optical
Signal frequency class	2.488 GHz Notes Specs from Gnubi/EXFO EPX950 reseller OEM listings and EPX family documentation patterns. Confirm exact wavelength (1310 vs other), connector type, output power, and receiver sensitivity on the module faceplate/datasheet revision.
Operating temperature	class: 0 C to 40 C non-condensing (EPX family)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	class: 0 C to 40 C non-condensing (EPX family)
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Warranty standard class	1 year parts and labor (EPX family)
Timing references class	chassis clock modules / BITS / internal (EPX family)
Payload generation	SONET/SDH framed payloads
Alarm monitoring	yes
Error insertion	supported in EPX workflow
Multi module testing	yes within one chassis
Form	plug-in EPX card
Product family	EPX8 / EPX16 modular test system
Remote control features	set up; start; stop; monitor
Max modules per chassis class	up to 17 (EPX family)
Compliance class	SONET/SDH OC-48/STM-16 optical
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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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PARAMETER	VALUE
Model	EPX950
Manufacturer	EXFO / Gnubi
Instrument Type	OC-48/STM-16 Optical Transceiver Module
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PARAMETER	VALUE
Alias	EPX 950; Gnubi EPX950; EPX-950
Chassis	EPX series including EPX-8 and EPX-16
Slot usage	one slot
Specifications	
PARAMETER	VALUE
Line rate	OC-48 / STM-16
Bit rate	2.488 Gbit/s
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Specifications	
PARAMETER	VALUE
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Optical function	transceiver (Tx and Rx)
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Specifications	
PARAMETER	VALUE
Input sensitivity range class	-28 dBm to -9 dBm (listing class)
Remote access	web browser
UI	EPXam graphical and command-line

Concurrent sessions: multiple

Operating temperature class: 0 C to 40 C non-condensing (EPX family)

Warranty standard class: 1 year parts and labor (EPX family)

Specifications

PARAMETER	VALUE
Timing references class	chassis clock modules / BITS / internal (EPX family)
Payload generation	SONET/SDH framed payloads
Alarm monitoring	yes

Specifications

PARAMETER	VALUE
Error insertion	supported in EPX workflow
Multi module testing	yes within one chassis
Form	plug-in EPX card

Specifications

PARAMETER	VALUE
Product family	EPX8 / EPX16 modular test system
Remote control features	set up; start; stop; monitor
Max modules per chassis class	up to 17 (EPX family)

Compliance class: SONET/SDH OC-48/STM-16 optical

Signal frequency class: 2.488 GHz

Notes

Specs from Gnubi/EXFO EPX950 reseller OEM listings and EPX family documentation patterns. Confirm exact wavelength (1310 vs other), connector type, output power, and receiver sensitivity on the module faceplate/datasheet revision.

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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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.