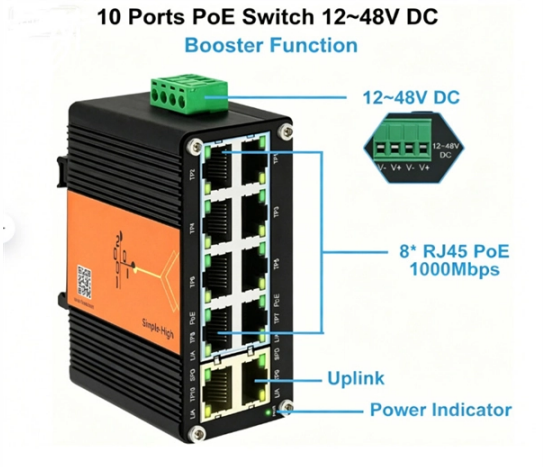
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Optical to Electrical Port Module Configuration Table and Price



Overview

Amazon.com: ETURBEV Optical to Electrical Port Module Product Summary: ETURBEV Optical to Electrical Port Module photoelectric Conversion RJ45 Optical Fibe.

Key Takeaways

Optical-to-electrical converters vary by bandwidth, wavelength, coupling, and connector type, with pricing typically available via manufacturer quotes.Key Configuration Parameters
• Bandwidth
• High-speed modules support up to 60 GHz (Keysight N7005A) or 50 GHz (Quantifi Photonics O2E) for high-baudrate signal testing .

• Lower-speed modules range from 30 kHz to 800 MHz for general lab or industrial applications .

• Wavelength Range
• Modules can be customized for single-mode or multimode fibers.

• Typical wavelength coverage includes 500–1630 nm, depending on the photodetector type (InGaAs, Si, etc.), .

• Coupling Type
• DC or AC coupling is available to suit different test applications .

• Some modules include TIA (transimpedance amplifier) for signal amplification.

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• Connector Types
• Optical input: FC, SC, or SMA fiber connectors.

• Electrical output: SMA, BNC, or 1.85 mm/1 mm interfaces for high-frequency oscilloscopes .

• Additional Features
• Onboard calibration storage accessible via SCPI commands (Quantifi Photonics O2E), .

• DSP-corrected frequency response for flat or Bessel-Thomson profiles (Keysight N7005A), .

• Compact benchtop or PXIe module form factors for lab integration .

Example ModulesManufacturerModelBandwidthWavelengthCouplingConnectorNotesKeysightN7005A60 GHz950–1630 nmDC1.85 mm / 1 mmHigh-sensitivity, supports PAM4 up to 56 Gbaud Quantifi PhotonicsO2E50 GHzCustomizableDC/ACSMA/BNCPXIe or MATRIQ benchtop, calibration storage Terahertz TechnologiesTIA-525125 MHz500–870 nmDCBNCLow-frequency lab applications Greenfield TechnologyGFT20014 GHzFC fiber inputDCSMAUnamplified, general lab use Pricing Information
• Exact prices are not publicly listed for high-performance O/E converters like Keysight N7005A or Quantifi Photonics O2E.

• Pricing depends on bandwidth, wavelength customization, and additional features.

• To obtain a quote:
• Contact the manufacturer directly (e.g., Keysight sales representative for N7005A), .

• Use distributor platforms such as Alibaba for bulk or OEM options .

• For industrial converters, suppliers like DirectIndustry provide contact forms for pricing inquiries .

Summary

Optical-to-electrical converters are highly configurable modules designed for high-speed signal testing or lab applications. Key parameters include bandwidth, wavelength, coupling, and connector type. While technical specifications are widely available, pricing requires direct contact with manufacturers or distributors. Selecting the right module depends on your signal frequency requirements, fiber type, and measurement setup.

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High bandwidth, broadband optical to electrical converters available in a range of configurations. Choose from 1 or 2 channels, AC or

Optical to Electrical Converters

41 Optical to Electrical Converters from 7 manufacturers listed on GoPhotonics. Search by specification. Selected filters - Country :

Differences Between Electrical Port Modules And Optical Port Modules

In fact, electrical port modules deliver performance comparable to that of optical port modules while boasting unique

N7005A 60 GHz Optical-to-Electrical Converter

The N7005A Optical-to-Electrical Converter is a high-sensitivity photodetector module for optical-to-electrical conversion of optical

Optical-electrical converter

Optical Modules are electronic components that convert an electrical signal to an optical signal simultaneously. Optical Modules are

6-channel VME optical-to-electrical converter | Highland Technology

The V730 is a six-channel logic-level optical-to-electrical converter, packaged as a single-width, 6U VME module. When used with

Optical to Electrical Converter

These O/E converters are ideal solutions for characterizing or troubleshooting high-speed optical signals in the system level testing.

MATRIQ Optical-Electrical Converter

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Detailed optical and electrical specifications, available configurations, and operating limits are provided in the O2E product

Small Form-factor Pluggable

Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable

Optical module

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data

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What is an electrical port module

The electrical port module, also known as the optical port to electrical port module or the photoelectric

Optical-electrical converter

MWF201 series serial to fiber converter is designed to realize long-distance transmission of 1

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What is an electrical port? The electrical port is relative to the optical port, which refers to the physical characteristics

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Optical module design resources | TI

Design requirements Modern optical module designs often require: Reduced power consumption to control and limit module

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Optical to Electrical Converter

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