# ZITHA TECH SPECIALTY CABLES (Pty) Ltd

# How much does a passive optical receiver cost



## Overview

Passive FTTH Optical Receiver For CATV – machine adopts the high sensitivity optical receiving tube,without power supply,no power consu.

## Key Takeaways

Passive optical receivers are available from $5 to $50 per unit depending on type, features, and supplier.Overview of Passive Optical Receivers

Passive optical receivers are essential components in fiber-optic networks, converting optical signals into electrical signals for end-user devices without requiring external power . They are widely used in FTTH, GPON, EPON, and XGS-PON networks and come in various designs, including single-standard, multi-standard, WDM-enabled, and failover-capable units .

Price Ranges and Supplier Options
• Alibaba offers a wide range of passive optical receivers, with prices typically starting around $5–$20 per unit for standard FTTH receivers and higher for multi-standard or WDM-enabled models .

• Made-in-China lists factory-priced optical receivers, often in bulk quantities, with prices ranging from $10–$50 per unit, depending on specifications and customization options .

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• Premlink provides economical models like the PL190A-1, a zero-power FTTH passive node, which is cost-effective and designed for direct-to-STB CATV connectivity. These units are priced competitively, generally in the $10–$25 range for small to medium orders .
Key Features Affecting Price
• Network Standard Compatibility: Multi-standard receivers (GPON, EPON, XGS-PON) are more expensive than single-standard units .

• Wavelength Division Multiplexing (WDM): Receivers capable of handling multiple wavelengths over a single fiber cost more due to advanced optics .

• Failover and Redundancy: Units with failover capabilities or modular designs for OLT integration are priced higher .

• Power Requirements: Passive receivers like the PL190A-1 that operate without external power are cost-effective and reduce maintenance costs .
Purchasing Tips
• Bulk Orders: Prices drop significantly for wholesale purchases. Contact multiple suppliers for quotes to ensure competitive pricing .

• Future-Proofing: Consider multi-standard or FPF receivers to avoid costly upgrades as new PON standards like 25G-PON become widespread .

• Supplier Reliability: Check factory reviews, product certifications, and delivery capabilities to ensure consistent quality and pricing . For detailed pricing, specifications, and bulk order inquiries, you can visit supplier pages on Alibaba, Made-in-China, and Premlink to request quotes and compare options .

## Article Content

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Boost Connectivity with Reliable optical receiver ftth passive ...

To fully enjoy optical receiver ftth passive, one must know its applicability and constraints. Good installation is

Passive optical receiver

Optical Receiver for FTTH CATV, WDM, passive & active triplexors, start bulk orders from 1 unit, average price around

Passive optical receiver, with WDM 1310/1490/1550nm

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FTTH WDM Passive Optical Receiver R41

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SC/APC to F-head cable TV passive optical receiver adapter.The input is SC/APC optical fiber and the output is

CSP-9008SWD Passive Optical Receiver with WDM Pon Port 1 RF

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Passive FTTH Optical WDM Receiver R31

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Economical Passive Optical Receiver Supplier, Factory Price

PL190A-1 passive optical receiver is FTTH passive node that doesn''t need any power supply. It is very simple and cost-effective

Advanced 1550nm FTTH Passive Optical Receiver for Fiber

Fibre-Optic to RF 1550nm FTTH Passive Optical Receiver. □□ This state-of-the-art optical receiver is designed to efficiently convert

Optical Receiver

An optical receiver usually consists of a photodetector and an electrical circuit for transimpedance amplification and signal

Simplified coherent receivers for passive optical networks

Simplified coherent receivers are attractive for future high-speed passive optical networks (PON) since they enable a

Receivers of Optical Systems | Springer Nature Link

Historically, the beginning of the development of the optical wavelength range is associated with the creation of

The Best Stereo Amplifiers and Receivers Under $300

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Stereo amplifiers come in various flavors. We have affordable picks for full-featured integrated amps, discreet mini

Passive Optical receiver, FTTH

FTTH Passive optical receiver, no power supply needed, eliminates electrical noise. Supports -10dBm

Low Cost 4-PAM Heterodyne Digital Receiver for Long Reach Passive ...

A low cost and bandwidth efficient 4-PAM scheme for long reach PONs is presented. Performance is evaluated for a

Passive Optical Device

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How much will be the passive optical components market growth between 2025 and 2035? The passive optical

WS-Passive MINI Optical Receiver

WS-Passive MINI Optical Receiver The device is a home optical receiver with optical fiber access as the final target. It is suitable for

Optical Receiver Design | Springer Nature Link

T. Kurosaki et al., “Low-cost 10-Gb/s optical receiver module using a novel plastic package and a passive alignment

Roles of Acousto-optic Modulators and Passive Optical Receivers in ...

These devices play distinct yet interconnected roles in the processing of optical signals within fiber optic

Optical Receiver

An optical receiver is defined as a circuit that converts optical signals into electrical signals, typically involving components such as

Passive Optical Subassembly (POSA) | OEM Optical ...

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Our passive optical subassembly (POSA) uses Corning''s free-space-optics wavelength division multiplexing (WDM) platform to

Simplified Coherent Receivers for Passive Optical Networks

Abstract Simplified coherent receivers are attractive for future high-speed passive optical networks (PON) since they enable a trade

Optical Receiver

An ''Optical Receiver'' is a device that detects and converts the light received from a transmitter into an electrical signal. It consists of

Fiber Optic Receivers Selection Guide: Types, Features ...

Fiber optic receivers use positive-negative junctions (PN), positive-intrinsic negative (PIN) photodiodes, or avalanche photodiodes

Mini Optical Node Manufacturer | WDM Passive & Active FTTH Node

Wholesale High-performance Mini Optical Nodes for FTTH & CATV. Features include WDM Passive, Active AGC, and Triplexer

High Performance Analog Interface and Clock Products

The basic optical receiver consists of a photodetector to convert the optical signal into a current, a low-noise preamplifier to convert

QIANRENON Cable TV Passive Fiber Mini Receiver Module 1550nm

Amazon : QIANRENON Cable TV Passive Fiber Mini Receiver Module 1550nm SC/APC to F-Head FTTH Passive Optical

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Passive Optical Receiver Min Node Manufacturer, Exporter, Passive Optical Node Supplier, Passive Mini Node Factory Price, Get

Optical Amplifiers for Access and Passive Optical Networks: A ...

For many years, passive optical networks (PONs) have received a considerable amount of attention regarding their

Coherent Optics for Passive Optical Networks: Flexible Access, Rapid ...

With the development of the Internet of Things, cloud networking, and 4K/8K high-definition video, global internet

What Is an Optical Receiver and How Does It Work?

An optical receiver is a device that converts light signals traveling through fiber optic cable back into electrical signals that electronic

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