

Article Overview

Low-speed optical modules, such as 1.25G SFP transceivers, are widely available in Pakistan through online marketplaces and specialized distributors.

Overview

Low-speed optical modules, typically supporting 1.25G or 1 Gigabit Ethernet, are used for reliable data transmission over fiber networks in enterprise, ISP, and telecom environments. These modules are compatible with standards like 1000Base-LX/LH and are often hot-pluggable, ensuring easy installation and maintenance .

Availability in Pakistan

o Online Marketplaces

o Daraz.pk offers a variety of optical modules at competitive prices, suitable for small-scale networking projects or individual purchases .

o OLX Pakistan provides local classified listings for optical modules, allowing buyers to find both new and used modules from local sellers .

o Specialized Distributors

o Microtech is an official distributor of Ai-Tek Fiber Optical Products in Pakistan, offering a full range of SFP modules, fiber patch panels, media converters, and cables. Their low-speed SFP modules are designed for mission-critical applications with low signal loss and high reliability .

o PowerhouseExpress sells Ai-Tek SFP modules, including 1.25G LC-type transceivers, suitable for short to medium-range fiber connections. These modules are compatible with enterprise and telecom equipment and are available for bulk purchase with delivery across Pakistan .

Key Features

o Data Rate: 1.25G (suitable for Gigabit Ethernet networks)

o Connector Type: LC or SC, depending on the module

o Transmission Distance: Typically up to 10 km for single-mode fiber, depending on the module

o Compatibility: Cisco-compatible and compliant with MSA standards

o Power Efficiency: Low power consumption for continuous operation

o Hot-Pluggable: Allows easy replacement without shutting down the network

Recommendations

- o For enterprise or telecom networks, purchasing from Microtech or PowerhouseExpress ensures genuine Ai-Tek modules with warranty and technical support .
- o For smaller projects or individual use, Daraz.pk and OLX provide convenient options with competitive pricing .
- o Always verify compatibility with existing switches or routers and check the supported fiber type (single-mode or multi-mode) before purchasing. Low-speed optical modules in Pakistan are therefore accessible through multiple channels, offering flexibility for both small-scale and large-scale networking deployments.

Utilizing single-mode fiber (SMF) with LC connectors, this SFP+ module supports transmission distances

OLX Pakistan offers online local classified ads for Optical Module. Post your classified ad for free in various categories like mobiles,

The overclocking scheme is used to reduce costs by using low-speed chips to transmit high-speed signals. For

The nRF24L01 is a highly integrated, ultra low power (ULP) 2Mbps RF transceiver IC for the 2.4GHz ISM

The Pakistan Silicon Photonics-Based Optical I/O Modules Market is witnessing steady growth driven by increasing

The IT Ministry has approved Rs. 8 billion to complete 9 fibre-optic & broadband projects meant to boost internet speeds and

The Fiber Optic Cable Manufacturing industry in Pakistan presents several key considerations for potential investors and

7. Conclusion: In conclusion, the expansion of fiber optic high-speed internet in Pakistan

L. T. Engineering (LTE), is a pioneer & sole optical Fiber manufacturing industry in the region. Since 1992

According to an earlier statement of Pakistan's Ministry of Information and Technology,

The low-speed optical transceiver module is composed of a transmitting part and a receiving part. The function of the transmitting

The specification defines the necessary optical and electrical requirements for a robust ecosystem of

LPO-compatible

About Fiber-life Fiber-life specializes in producing and selling enterprise SONiC-based open network switches and

As an industry-leading ICT infrastructure and industry solution provider, Ruijie offers customers a wide variety of high-density and low

In Pakistan's fast-growing telecommunications landscape, having a reliable, high-performance fiber optic infrastructure is essential.

Fiber Optic Cable by Litech Pakistan Fiber optic cables, offered by Litech Pakistan (), are designed to deliver ultra

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