CLT-SFP-RJ45-1G

Unbranded 1.25G SFP to RJ45 module

Product Overview

Unbranded 1.25G SFP to RJ45 module 100m Optical Fibre 1.25G SFP to RJ45 Network Transceiver module 100m CLSFPGETX1, Supports Data transfer rates up to 1.25Gbps for Gigabit Ethernet connectivity, Converts SFP Optical Ports to Standard RJ45 Copper interfaces, Transmits Data over distances up to 100 metres on Cat5E or CAT6 cabling, Features an RJ45 Connector for direct connection to Standard Ethernet devices, Supports Auto-Negotiation for Speed and Duplex settings, Includes hot-pluggable Design for installation without Network disruption



Specifications

Summary Overview:

Enhance your local network infrastructure with the Unbranded CLT-SFP-RJ45-1G, a reliable 1.25G SFP to RJ45 transceiver designed for seamless Gigabit Ethernet connectivity across South African businesses and homes. This module effortlessly converts optical fiber ports into standard copper interfaces, supporting distances up to 100 meters over Cat5e or Cat6 cabling with auto-negotiation capabilities that ensure compatibility with your existing switches and routers.

Designed for efficiency and flexibility, this hot-pluggable network transceiver allows for easy installation or replacement without disrupting operations, making it an ideal choice for maintaining high-speed data transfer rates up to 1.25Gbps. Whether you are expanding a small office setup or optimizing enterprise cabling, buying now secures you a cost-effective solution that adheres to MSA standards for broad equipment compatibility.

Performance tier: High-Speed Connectivity

Uses: Gigabit Ethernet expansion, optical-to-copper conversion, network bridging, switch connectivity, hot-swappable network maintenance

Overview:

High-Speed Network Connectivity Solution
The CLT-SFP-RJ45-1G is a robust 1.25G SFP to RJ45 copper module engineered specifically for Gigabit Ethernet connectivity in demanding network environments. This transceiver serves as a critical bridge, converting optical ports on switches and routers into standard RJ45 copper interfaces, thereby extending the reach of your network infrastructure without requiring expensive fiber optic upgrades for short-range connections. Designed with efficiency in mind, it supports transmission

distances of up to 100 meters over standard Cat5e or Cat6 cabling while maintaining signal integrity.

Network administrators will appreciate its intelligent auto-negotiation capabilities, which automatically adjust speed and duplex settings to ensure seamless compatibility with a diverse array of switches and routers. The module operates reliably within standard temperature ranges and is optimized for low power consumption, making it an energy-efficient choice for expanding or upgrading network backbones. Whether you are managing a small office setup or a larger enterprise deployment, this part number CLT-SFP-RJ45-1G delivers the stability required for consistent data transfer.

Description:

This SFP transceiver module is designed to provide seamless connectivity between optical fiber networks and copper-based Ethernet devices. It facilitates network flexibility by converting optical signals into electrical signals, allowing users to leverage existing copper cabling infrastructure. The device supports high-speed data rates up to 1.25Gbps and includes a hot-pluggable design for easy installation and maintenance without disrupting live network operations.

The module adheres to Multi-Source Agreement (MSA) standards, ensuring broad compatibility with equipment from various manufacturers while delivering reliable performance in standard temperature conditions. Its compact form factor fits perfectly into SFP slots on compatible networking hardware, providing a cost-effective solution for extending network reach by up to 100 meters over Cat5e or Cat6 cables.

Features:

Key Connectivity Features

- Supports data transfer rates of up to 1.25Gbps for high-performance networking tasks
- Features an RJ45 connector for direct connection to standard Ethernet devices over Cat 5e or Cat 6 cabling
- Capable of transmitting data reliably over distances reaching 100 meters
- Includes hot-swappable design allowing installation or replacement without network downtime
- Adheres to Multi-Source Agreement (MSA) standards for broad equipment compatibility
- Operates efficiently with low power consumption and standard temperature tolerance

What's in the Box

- 1x CLT-SFP-RJ45-1G 1.25G SFP to RJ45 Copper Transceiver Module
- User Documentation and Compatibility Guide

The product identified by SKU CLSFPGETX1 is the same high-quality transceiver module, ensuring you receive a reliable component regardless of the specific labeling used in your inventory. This solution eliminates the need for complex fiber optic setups when copper cabling suffices, offering a practical path to network expansion.

FAQ

What is the primary function of this module?
This 1.25G SFP to RJ45 Network Transceiver Module converts standard optical fibre ports into RJ45 copper interfaces, allowing you to connect to Ethernet devices using Cat5e or Cat6 cabling.

What is the maximum transmission distance supported?
The module supports data transmission over distances up to 100 metres, making it suitable for typical network spans within a building.

Is this transceiver compatible with switches from different manufacturers?
Yes, the device adheres to Multi-Source Agreement (MSA) standards and features auto-negotiation, ensuring compatibility with a wide range of switches and routers.

Can I install or replace this module without shutting down my network?
Absolutely. The unit features a hot-pluggable design, which allows you to swap the SFP transceiver in or out without disrupting live network operations.

Does this module support high-speed data transfer rates?
Yes, it supports data rates up to 1.25Gbps and automatically negotiates speed and duplex settings for optimal performance.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/CLT-SFP-RJ45-1G-Unbranded-1-25G-SFP-to-RJ45-module-p-342552.php

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