ComX Computers
Product Specification Sheet

OPT-SFP-10KM-25G

Unbranded Optcore 25GBASE-LR SFP28 Transceiver

Product Overview

Unbranded Optcore 25GBASE-LR SFP28 Transceiver, Single-mode, 1310nm, Hot-pluggable SFP28 Form Factor, Support for 25Gb/s Data rate, Distance up to 10km on Single Mode Fiber, LC Duplex Connector, Single 3.3V Power Supply







Specifications

Overview Summary:

The Optcore 25GBASE-LR SFP28 transceiver delivers reliable high-speed 25Gb/s connectivity over single-mode fibre for distances up to 10km, making it ideal for modern data centres and enterprise networks in South Africa. This hot-pluggable optic module features a 1310nm DFB transmitter, LC duplex connector and built-in digital diagnostics for real-time monitoring of performance metrics. Shop now to upgrade your network with efficient long-reach fibre connectivity and seamless integration into compatible 25GbE switches, routers and NICs.

Perfect for enterprise and carrier-grade networks needing cost-effective long-reach performance, this SFP28 optic supports next-gen data traffic with energy-efficient operation. Buy now to strengthen your infrastructure with dependable single-mode optical links and advanced monitoring capabilities.

Performance tier: High-performance network optics

Uses:25GbE long-reach single-mode fibre links, data centre connectivity, telecom networks, enterprise switching, storage networking

Overview:

Optcore 25GBASE-LR SFP28 Transceiver for High-Speed Networking
The Optcore 25GBASE-LR SFP28 Transceiver is designed for reliable, high-performance 25 Gigabit Ethernet long-reach applications. Engineered for single-mode fiber networks, this transceiver delivers data rates up to 25Gb/s with a reach of up to 10km. Its 1310nm DFB transmitter and PIN photo-detector paired with an LC Duplex connector ensure stable and efficient optical links. This module is compatible with a wide range of Ethernet switches, routers, NICs, and storage networking equipment, making it ideal for modern data center and enterprise networking environments.

Description:

This Optcore SFP28 LR module offers hot-pluggable convenience and efficient power consumption with a single 3.3V supply. Integrated digital diagnostic monitoring (DDM) allows real-time tracking of temperature, laser bias current, optical output, received power, and supply voltage. Encased in metal for reduced electromagnetic interference, the transceiver is ROHS compliant and meets Class 1 laser safety standards, ensuring dependable and safe operation in high-speed networks.

Features:

High-Speed Transmission and Long Reach
Support for 25Gb/s Ethernet enables rapid data transfer across long distances, with single-mode fiber extending connectivity up to 10km. The 1310nm DFB transmitter and PIN photo-detector maintain signal integrity over extended links.

Easy Installation and Compatibility
The hot-pluggable SFP28 form factor simplifies network upgrades without downtime. Its LC Duplex connector ensures broad compatibility with existing network infrastructure.

Advanced Monitoring and Reliability
Digital diagnostic monitoring provides real-time visibility of critical transceiver parameters, helping maintain network stability. The metal housing protects against EMI, while compliance with industry standards guarantees safe and consistent operation.

Efficient Design for Modern Networks
Optimized for power efficiency, this transceiver supports next-generation data center requirements, offering a cost-effective solution for expanding high-speed network capabilities.

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/OPT-SFP-10KM-25G-Unbranded-Optcore-25GBASE-LR-SFP28-Transceiver-p-334433.php

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