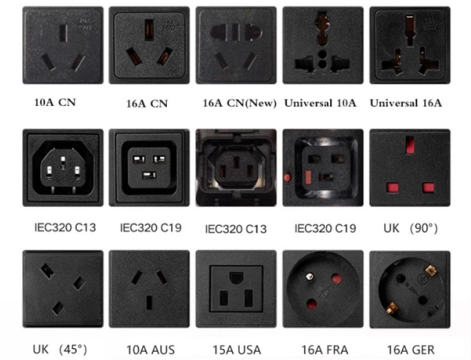
India Active Optical Devices 100G



Overview

10Gtek 100G QSFP28 Active Optical Cable 100G parallel active optical cable is perfect for connecting switch, router, server, NIC, or other fiber optic equi.

Key Takeaways

100G QSFP28 Active Optical Cables (AOCs) are widely available in India, offering high-speed, low-latency connectivity for data centers, enterprise networks, and HPC applications.

Overview100

G Active Optical Cables (AOCs) are designed to provide ultra-fast 100Gbps full-duplex data transfer by combining four 25Gbps lanes over multimode fiber. They are ideal for short-reach, high-bandwidth applications, including switch-to-switch, switch-to-server, and switch-to-storage connections.

AO

Cs are plug-and-play, lightweight, and consume less power compared to traditional copper cables, making them suitable for high-density environments.

Key Specifications

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Form Factor: QSFP28Data Rate: 100Gbps (4x25Gbps lanes)Fiber Type: OM3 multimode fiberLength Options: Typically 10 meters, with some products supporting up to 100 meters Temperature Range: 0–70°CCompatibility: Works with Cisco QSFP-100G-AOC10M, Ubiquiti UniFi, Arista AOC-Q-Q-100G, and other QSFP28-enabled devices Applications: 10/25/40/100G Ethernet, Infiniband 4xEDR/FDR/QDR, Fibre Channel, SAS3, HPC interconnections AdvantagesHigh Performance: Low-latency, stable connections for demanding network environmentsEnergy Efficient: Reduced power consumption compared to copper alternativesPlug-and-Play: No need for separate transceivers or fiber patch cordsTested Reliability: Many products undergo TDR and VNA testing to ensure signal integrity Warranty & Support: Typically include 1-year warranty, lifetime technical support, and return policies Vendors and Availability in India10Gtek: Offers 100G QSFP28 AOCs compatible with Cisco, Arista, and Ubiquiti devices, with 10-meter OM3 cables and verified testing Cisco-Compatible AOCs: Available via IndiaMART and other distributors, suitable for enterprise and data center deployments TARLUZ: Provides 100G QSFP28 AOCs for HPC and data storage applications, supporting up to 100 meters Desertcart: International e-commerce platform delivering verified 100G AOCs to major Indian cities with end-to-end tracking and warranty support Use CasesData Centers: High-density rack-to-rack or row-level connectivityEnterprise Networks: Reliable 100GbE links for servers and storageHigh-Performance Computing (HPC): Low-latency interconnects for parallel computing clustersProAV and Broadcast: High-resolution, low-latency video and audio transmission 100G AOCs in India provide a cost-effective, high-performance solution for modern networking needs, combining speed, reliability, and ease of deployment.

When selecting a cable, consider length, compatibility, and vendor support to ensure optimal performance for your specific network environment.

Article Content

10Gtek 100G QSFP28 Active Optical Cable

100G parallel active optical cable is perfect for connecting switch, router, server, NIC, or other fiber optic equipment with QSFP28 ports. Widely apply for datacenter, network-attached storage, workstation,

Cisco QSFP-100G-AOC50M Compatible 50m (164ft)

The Cisco QSFP-100G-AOC50M Compatible 50m 100G QSFP28 Active Optical Cable (AOC) is a high-performance, plug-and-play interconnect designed to

100G QSFP28 Active Optical Cable

High-density 100GbE QSFP28 to QSFP28 full-duplex active optical cable, combines 4 full-duplex 25 Gbps SFP lanes for an aggregated 100 Gbps rate, supporting ultra-fast computing data exchange.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Active Optical Cables -10G, 25G, 40G, 100G & 40G QSFP Optical

We are a leading Manufacturer of Active Optical Cables -10G, 25G, 40G, 100G, 40G QSFP Optical Modules, Fiber Optic Modules, CFP, Optical Modules and SFP from Bengaluru, India.

100G QSFP28 AOC: Reliable High-Speed Active Optical Cable

Experience seamless 100G data transfer with Innoptical''s QSFP28 active optical cables. Enjoy low power, high-reliability and seamless integration to ensure your network performance.

100G Active Optic Cables

GigaTech Products provides high quality 100GB Active Optical Cables for network, server, and storage systems. These cables are specifically coded to be 100%

India Active Optical Cable Market: Market Size, Share ...

The major growth drivers for this market are increasing internet traffic throughout the world, growth in high performance computing, and increasing penetration of active optical cables in consumer

100G QSFP28 AOC Active Optical Cable

TARLUZ 100G QSFP28 AOC is applied for data storage, high performance computing connection. The 100G AOC transmits 4x25G data in parallel over a

100Gb/s QSFP28 EDR Active Optical Cable

The QSFP-100G-AOCH offers selectable retiming per lane for both its optical transmitters and receivers for the 25-26Gbp/s rates, but the AOC also supports lower bit rates without retiming.

100G-AOC-1M

Explore our 100Gb/s parallel active optical cable (AOC) for 100 meters, featuring 4 channels. Designed for harsh conditions, ensuring reliable data exchange.

Active Optical Devices Market Research Report 2034

The Active Optical Devices market was valued at $6.57 billion in 2025 and is projected to reach $15.29 billion by 2034, growing at 9.8% CAGR.

10Gtek 100G QSFP28 Active Optical Cable

Compatible with Cisco QSFP-100G-AOC1M. 100G parallel active optical cable is perfect for connecting switch, router, server, NIC, or other fiber optic equipment with QSFP28 ports. Widely apply for

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Optical Active Device Market Size, Growth, Forecast Till 2032

The Optical Active Device Market is expected to grow from USD 7.80 Billion in 2025 to USD 13.41 Billion by 2032, at a CAGR of 7.00% during the forecast period.

Cisco Compatible QSFP-100G-AOC10M 100GBASE-AOC QSFP28 to

Cisco Compatible QSFP-100G-AOC10M 100GBASE-AOC QSFP28 to QSFP28 10m Active Optical Cable : Amazon : Computers & Accessories FREE delivery Wednesday, 17 June. Order within 7

100G QSFP28 Parallel AOC

Compatible for Cisco QSFP-100G-AOC10M. 100G parallel active optical cable is perfect for connecting switch, router, server, NIC, or other fiber optic equipment with QSFP28 ports. Widely apply for

Secure Communications Blog

Explore expert insights on secure communications from BlackBerry — covering government, critical infrastructure, resilience, compliance, and trusted

10G AOC SFP Active Optical Cable, Unarmoured, 100 m

Syrotech SFP+ Active Optical Cables are hot-swappable, low-voltage cable assemblies that connect directly into SFP+ modules at both ends. These

Optical Active Device Market Report | In-Depth Analysis 2035

Optical Active Device Market is Estimated to Reach a Valuation of USD 38.3 Billion by 2035, Growing at a CAGR of 5.4% During the Forecast Period 2026 - 2035

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved