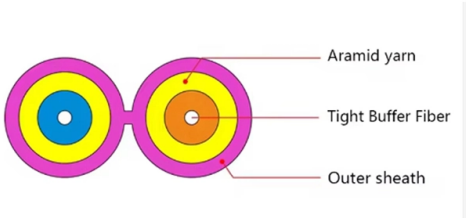
Supplier QSFP28 optical module SFP



Overview

FS 50G QSFP28, SFP56 optical module solution used for high-density switching, routing and data center applications.

Key Takeaways

Topstar, FS, Smartoptics, WolonFiber, and Amphenol are leading manufacturers of QSFP28 and SFP optical modules.Top Manufacturers

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Topstar Technology specializes in a wide range of optical transceivers, including 100G QSFP28, 100G CFP, 10G SFP, SFP+, XFP, and CWDM/DWDM modules. They offer OEM and ODM services, operate a 3,000-square-meter dust-free workshop, and provide 24/7 support. Their “Top-Trans” brand emphasizes high-quality, tested modules suitable for global operators and enterprise networks . FS (Fibrestore) provides 100G QSFP28 modules optimized for high-density, low-power 100 Gigabit Ethernet connectivity. Their products are designed for data centers, high-performance computing networks, enterprise core and distribution layers, and service provider applications . Smartoptics offers QSFP28 transceivers for 100G Ethernet, supporting both Coherent 100G QSFP28 for extended reach in metro and regional networks and PAM4 QSFP28 for cost-effective, short-range data center deployments. Their modules are suitable for scaling data center interconnects and service provider networks . WolonFiber manufactures MSA-compliant 40G QSFP+, 50G SFP56, and QSFP28 modules. They focus on mission-critical telecom and campus deployments, providing custom coding, thermal optimization, and compatibility with Cisco, Arista, Huawei, Nokia, and Ericsson hardware. Their QSFP28 modules support dual-lane 50G upgrades for legacy enterprise switches . Amphenol produces 100G QSFP28 transceivers including SR4, AOC, CWDM4, LR4, ER4, and ZR4 series. These modules adopt LC or MPO optical ports, comply with IEEE802.3bm and SFF-8636 standards, and are used in data center internal networks, interconnections, and metropolitan area networks .

Key Considerations

• Standards Compliance: Ensure modules meet IEEE, SFF, and MSA standards for interoperability.

• Form Factor: QSFP28 supports 100G Ethernet with four 25G lanes; SFP/SFP+ supports 1G–10G speeds.

• Application: Choose modules based on deployment—data center, metro, or long-haul networks.

• OEM/ODM Services: Some manufacturers like Topstar and WolonFiber offer custom branding and coding for vendor compatibility.

• Power and Reach: Coherent QSFP28 modules provide extended reach, while PAM4 modules are optimized for short-range, low-power applications. These manufacturers provide reliable options for sourcing QSFP28 and SFP optical modules for enterprise, data center, and telecom networks.

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100G QSFP28 Transceiver

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QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment.

SFP SFP+ SFP28 QSFP+ QSFP28: Fiber Module Form

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sfp module

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