

OEM Fiber Optic Ethernet Switches for Five Central Asian Countries QSFP-DD

Article Overview

High-performance OEM fiber optic Ethernet switches with QSFP-DD are available from multiple manufacturers, offering long-distance, industrial-grade, and data center-ready solutions suitable for Central Asian deployments.

Key Manufacturers and OEM Options

- o Lanbras / Lanao Communication Technology Lanbras provides data center and enterprise network switches with massive bandwidth, low latency, and flexible port configurations. Their industrial switches are designed for harsh environments, ensuring stable fiber connectivity in factories, power plants, and infrastructure projects. They support QSFP-DD modules for high-speed aggregation and backbone links, and offer OEM/ODM customization with global certifications like CE, FCC, RoHS, and cETL .

- o Come-Star Industrial Fiber Switches Come-Star specializes in industrial fiber optic Ethernet switches with SFP-based uplinks, single-mode and multimode fiber, and hybrid copper-fiber configurations. Their switches support long-distance transmission up to 100 km, DIN-rail, rack-mount, and outdoor-rated designs. OEM services include custom port configurations, fiber module options, and ruggedized enclosures suitable for energy, transportation, and automation networks .

- o EDGECOM Technology EDGECOM offers a full line of industrial switches, including managed and unmanaged models, fiber optic transceivers, and optical modules. They provide ISO9001-certified OEM solutions with a 5-year warranty, supporting global deployment. Their switches are widely used in smart security, rail transit, power energy, and industrial automation, making them suitable for Central Asian infrastructure projects .

- o Maisvch Industrial Network Switches Maisvch manufactures rugged, high-performance managed, unmanaged, and PoE switches with QSFP-DD support for high-speed backbones. Their OEM/ODM services include custom firmware, branding, and compact board-level modules for OEM integration. These switches are ideal for mission-critical networks, outdoor deployments, and industrial automation .

- o EtherWAN OEM Services EtherWAN provides tailor-made industrial Ethernet switches and media converters with QSFP-DD support. Their OEM services include custom labeling, packaging, manuals, and certifications (CE, UL), ensuring brand consistency. They focus on long-term reliability, sustainable manufacturing, and timely delivery, making them a strong partner for Central Asian network deployments .

Considerations for Central Asian Deployment

- o Environmental Conditions: Choose industrial-grade switches with temperature tolerance, vibration resistance, and EMI/RFI immunity for harsh climates.

- o Transmission Distance: QSFP-DD modules support high-speed 100G+ links, suitable for long-distance fiber backbones across cities or industrial sites.

- o Customization & OEM Support: Ensure the manufacturer can provide custom firmware, port configurations,



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and branding to meet local network requirements.

- o Certifications: CE, FCC, RoHS, and ISO9001 certifications ensure compliance with international standards and reliability.

- o Supply Chain & Support: Consider manufacturers with global shipping, technical support, and spare parts availability for uninterrupted network operation. These manufacturers provide scalable, high-performance fiber optic Ethernet switches with QSFP-DD support, suitable for enterprise, industrial, and telecom networks across Central Asia.

The transition toward fiber-rich architectures is further strengthening demand across long-haul, metro, and access networks.

The Cisco® family of QSFP modules provide solutions for AI/ML data center applications,

The global linear pluggable optics (LPO) market was valued at approximately USD 2.07 billion in 2025 and is projected to reach USD

ROBOfiber manufactures high quality fiber optic pluggable transceivers in a large variety of formats and speeds, including 400G,

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The Cisco® family of QSFP-DD modules provide the industry's highest bandwidth density

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QSFP-DD transceivers double the number of high-speed electrical interfaces in QSFP to achieve 400G

Cisco helped define the QSFP-DD form factor Multisource Agreement (MSA) to meet the requirements of next-generation switching



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Systems designed with QSFP-DD ports are backwards compatible to support existing QSFP+, QSFP28, and QSFP56 modules. This

Master QSFP-DD transceiver deployment for 400G/800G networks. Compare module types (SR8/DR4/FR4/LR4),

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