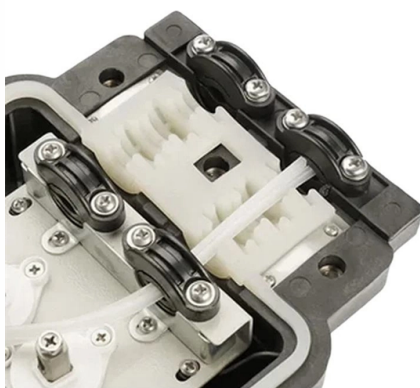


Pakistan-branded QSFP optical module 10G



Overview

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

Key Takeaways

10G QSFP and SFP+ optical modules are available in Pakistan through local manufacturers like Kocent Optec and distributors such as UltraTech, offering Cisco, Huawei, ZTE, and HP-compatible transceivers for data centers and telecom networks. Local Availability and Manufacturers

In Pakistan, Kocent Optec is a leading manufacturer and supplier of SFP+, QSFP, and higher-speed optical modules. Their products are designed for high-density traffic, FTTH rollouts, Tier-III data centers, and banking networks, and are compatible with major global brands including Cisco, Huawei, ZTE, Juniper, and HP. Kocent Optec modules are tested for environmental resilience, ensuring reliable operation in Pakistan's varied climate conditions, and they offer OEM/ODM customization for specific fiber types and distance requirements. Other suppliers include UltraTech Pakistan, which provides 10G SFP+ LR modules such as the Optcore OSP10G-3110DCR-CSC, supporting 10.3125Gbps over single-mode fiber and compatible with Cisco equipment. These modules comply with SFP+ MSA standards (SFF-8431, SFF-8432) and IEEE 802.3ae, and include digital diagnostic monitoring (DDMI) for real-time monitoring of temperature, optical power, and supply voltage.

Technical Specifications

- Form Factors: SFP+, QSFP+, QSFP-DD
- Data Rates: 10Gbps (10GBASE-LR/SR/T)
- Fiber Types: Single-mode (SMF) and Multi-mode (MMF)
- Distance Support: 30m to 80km depending on module type
- Connectors: LC duplex for fiber, RJ45 for copper 10GBASE-T
- Standards Compliance: IEEE 802.3an, 802.3ae, SFP+ MSA, DDMI support
- Environmental Tolerance: Industrial-grade modules for varied temperatures and high-density deployments

Applications in Pakistan

- Telecom Networks: PTCL, Jazz, Zong 5G-ready infrastructure
- Data Centers: Tier-III facilities in Karachi using 100G/400G QSFP-DD modules
- Enterprise Networks: Banking, universities (NUST, LUMS), and research networks
- FTTH/GPON Deployments: Supporting high-speed fiber access across Punjab and Sindh

Purchasing Options

- QSFPTEK and 10Gtek provide online access to cost-effective 10G SFP+ transceivers, including SR, LR, ER, and ZR modules, as well as DAC and AOC cables for short-range interconnects .
- Local distributors in Pakistan can supply modules with full compatibility for Cisco, Huawei, and other major switches, ensuring seamless integration without vendor lock-in . In summary, Pakistan offers a robust ecosystem for 10G QSFP and SFP+ optical modules, with local manufacturing, global brand compatibility, and modules suitable for both enterprise and telecom-grade deployments. These solutions are optimized for high-speed, low-latency, and environmentally resilient network infrastructure.

Article Content

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40G QSFP+ Module Factory & Supplier for the Pakistan Market

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