Export Price of High-Temperature Resistant Fiber Optic Enterprise Routers



Overview

Global Enterprise Routers Market Size, Share, Growth TrendsEnterprise routers in this segment are optimized for high throughput, low latency, and advanced.

Key Takeaways

High-temperature resistant fiber optic enterprise routers typically range from USD 2,300 to USD 10,000 per unit depending on performance, modularity, and industrial-grade specifications.

Pricing Overview

Enterprise routers designed for harsh environments, such as Cisco industrial routers and Huawei AR/NetEngine series, are built to withstand extreme temperatures, dust, vibration, and humidity while providing high-speed fiber optic connectivity and advanced security features. The base price for low-cost business-grade routers starts around USD 100–200, while high-performance enterprise routers with advanced features, multi-core processors, and modular expansion can cost USD 2,300 or more. Industrial-grade routers with IP67 ratings, SD-WAN capabilities, and fiber-optic SFP/XFP ports are at the higher end of this range.

Export Data and Market Sources

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Global export data for Ethernet routers under HSN Code 8517620000 shows 658 shipments worldwide, with China leading exports at 356 shipments, followed by Ukraine and Germany. These shipments include fiber optic modules, SFP/XFP interface modules, and enterprise routers suitable for industrial and high-temperature applications.

Asia-

Pacific countries, particularly China, Taiwan, South Korea, and Japan, are major suppliers of high-performance fiber optic enterprise routers.

Factors Affecting Export Price

Performance and Throughput: Routers with multi-core processors, non-blocking switching, and high forwarding rates (up to 2–10 Gbps) command higher prices. Modularity and Expansion: Modular routers with additional line cards or SFP/XFP modules increase unit cost.

Industrial-

Grade Features: IP67-rated, fanless, and temperature-resistant designs for outdoor or industrial environments add to the price. Security and SD-WAN Capabilities: Integrated next-generation firewall (NGFW), VPN, and SD-WAN features influence pricing. Volume and Supplier: Bulk export orders may reduce per-unit cost, while premium brands like Cisco and Huawei maintain higher pricing due to reliability and certifications.

Estimated Export Price RangeLow-end industrial/fiber routers: USD 2,300–3,500 per unitMid-range enterprise routers with fiber modules: USD 3,500–6,000 per unitHigh-end modular, high-temperature resistant routers: USD 6,000–10,000+ per unit, depending on configuration and additional modules.

Conclusion

For exporting high-temperature resistant fiber optic enterprise routers, expect unit prices from USD 2,300 to over USD 10,000, influenced by performance, modularity, industrial-grade features, and brand. Major exporters include China, Ukraine, and Germany, with Cisco and Huawei being prominent suppliers. Exporters should consider HSN Code 8517620000 for customs and trade compliance, and factor in additional costs for modules, shipping, and certifications.

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Article Content

Global Enterprise Routers Market Size, Share, Growth Trends

Enterprise routers in this segment are optimized for high throughput, low latency, and advanced traffic management, often employing technologies like VXLAN, EVPN, and SDN.

Fiber Optic Exports from World

Understanding the export price dynamics of Fiber Optic is essential for improving profitability and assessing the true potential of Fiber Optic exports worldwide.

Fiber Optic Export Data Global | Fiber Optic Exporters

Fiber Optic Export data is a record of global trade transactions involving Fiber Optic products. It includes shipment details like HS code, importer/exporter names, quantity, price, and origin/destination

Global Fiber Router Market Size, Industry Share, Trends & Forecast

Explore the Fiber Router Market forecasted to expand from USD 1.2 billion in 2024 to USD 3.5 billion by 2033, achieving a CAGR of 12.6%. This report provides a thorough analysis of industry trends,

Fiber optic equipment Exports from World

These facts are updated till 25Dec2023, and are based on Volza''s Export Import data of Fiber optic equipment, sourced from 70 countries export import shipments with names of buyers,

Enterprise Routers & Switches Cost Intelligence Report, 2030

High-performance devices with advanced capabilities generally come at a higher price. The number and type of ports (ethernet, fiber-optic, etc.) also impacts the price. Modular routers and switches with

Best Enterprise Routers of 2026

Compare the best Enterprise Routers of 2026 for your business. Find the highest rated Enterprise Routers pricing, reviews, free demos, trials, and more.

Cisco Industrial Routers

Connect your outdoor industrial network edge with this water and dust resistant IP67-rated router. It''s fully modular, so it adapts as your needs evolve. Get superior industrial networking and SD-WAN

Top Router Manufacturers: Global Suppliers & Factory Prices

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Enterprise Routers Market

North America commanded a 38.40% enterprise routers market share in 2025 on the back of established fiber backbones, early SD-WAN adoption, and stringent federal cybersecurity

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Global Enterprise Routers Market Size, Share, Growth Trends

Global Enterprise Routers Market Size By Type of Deployment (On-premises Routers, Cloud-based Routers), By Router Type (Core Routers, Edge Routers), By End-user Industry

Optical fiber assemblies for high temperature environments

Resistance to extreme temperatures The melting point of silica is around 1,700 °C, so a bare optical fiber could easily fulfil its data transmission role at such

Advanced Fiber Optic Routers

These routers are essential for modern telecommunications, data centers, and enterprise networks due to their ability to handle massive bandwidths with low latency and high reliability. Different types of

Enterprise Level Ax1800 Wireless Router 5g WiFi 6 Dual Band Fiber Optic ...

The PG-AX1853K is a high-performance enterprise-grade WiFi 6 router that supports 802.11ax technology. It operates in the 2.4GHz and 5.8GHz wireless frequency bands, meeting the demand

High-temperature fibers | WEINERT Industries AG

Singlemode and multimode fibers for data communications or light transmission at high temperatures For use in higher temperature ranges, all optical fibers based

Fiber Optics Market Size, Growth & Forecast Report 2034

Fiber Optics Market Summary The global fiber optics market size was valued at USD 10.18 billion in 2025 and is expected to register a CAGR of

Fiber Optic Cable Market Size

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The Fiber Optic Cable Market worth USD 14.22 billion in 2026 is growing at a CAGR of 9.84% to reach USD 22.74 billion by 2031. Corning Inc., Sumitomo Electric Industries Ltd, Prysmian

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