Price List for Low-Loss Carrier-Grade Routers for Data Center Interconnection

Overview

Cisco Router Price List 2026 The ISR (Integrated Services Router) series combines routing, security, and WAN optimization in a single platform. Cisco Globa.

Key Takeaways

Carrier-grade data center routers typically range from $50,000 to over $500,000 depending on throughput, port density, and vendor, with options from Cisco, Huawei, Arista, Juniper, and HPE.Overview of Carrier-Grade Routers for DCI

Carrier-grade routers are designed for high-throughput, low-latency, and scalable interconnectivity between data centers, cloud backbones, and hybrid cloud environments . Key features include:

• Throughput: 10 Tbps chassis capacity or higher, supporting 100G, 400G, and emerging 800G interfaces .

• Port Density: High-density line cards for dense 100G/400G connections.

• Software-Defined Networking (SDN): Support for segment routing (SRv6/MPLS) and API-driven automation.

• Optical Integration: Coherent optics for cost-effective long-distance DCI.

• Vendors: Cisco, Juniper, Huawei, Arista, Nokia, and DriveNets dominate the market . Typical Price Ranges

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While exact prices vary by configuration, vendor, and region, approximate ranges are:

• Cisco 8000 Series / NCS 1000 Series: $100,000 – $500,000 depending on line cards and throughput .

• Huawei NetEngine 8000 / CloudEngine 16800: $80,000 – $400,000 for high-density DCI routers .

• Arista 7500R / 7000 Series: $70,000 – $350,000 depending on port configuration .

• Juniper PTX Series: $90,000 – $450,000 for carrier-grade DCI deployments .

• HPE FlexFabric / Comware Series: $50,000 – $250,000 for mid-to-high-end data center routers . For smaller-scale or modular deployments, prices can start around $50,000 for entry-level carrier-grade routers with fewer ports and lower throughput.

Where to Obtain Pricing

• ServerBasket: Offers quotes for Cisco, Huawei, Arista, and HPE routers with pre-sales support and global shipping .

• ITPrice.com: Provides updated global price lists for Cisco, HPE, Huawei, Juniper, and Fortinet routers .

• Vendor Direct Quotes: Cisco, Huawei, Arista, and Juniper provide customized pricing based on throughput, line cards, and support contracts .

Considerations for Selection

• Throughput and Port Density: Ensure the router supports current and projected DCI traffic.

• Future-Proofing: Consider 400G/800G readiness and SDN programmability.

• Operational Costs: Evaluate power, cooling, and software licensing.

• Support and Warranty: Enterprise-grade support is critical for uptime and maintenance. By requesting a custom quote from vendors or distributors, you can obtain precise pricing tailored to your data center scale, port requirements, and service level agreements.

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