

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

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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