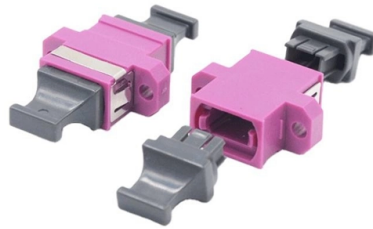


Canada RoHS Grade Carrier Router 40G



AI Overview

For high-speed, carrier-grade networking in Canada, 40G routers from Arista (7020R4 Series) and Cisco Carrier Routing System are suitable options, with potential RoHS compliance depending on the manufacturer's certification.

Carrier-Grade 40G Router Options

Arista 7020R4 Series The Arista 7020R4 Series is designed for high-performance edge applications, data center leaf, and service provider access. It supports 1G/10G/25G SFP and 1G/10G RJ45 ports, with scalable architecture capable of handling high-throughput workloads. Key features include deterministic, lossless forwarding, advanced traffic monitoring with Accelerated sFlow, precision timing, and strong encryption at Layer 2 and Layer 3. The platform runs Arista EOS, a modular Linux-based operating system that enables automation, in-service software updates, and self-healing resiliency, making it suitable for carrier-grade deployments.

Cisco Carrier Routing System (CRS) Cisco's CRS portfolio offers high-capacity routing for service providers and large enterprises. These routers are engineered for 40G and higher throughput, with modular line cards, redundant power supplies, and advanced routing protocols. Cisco CRS supports MPLS, Segment Routing, and EVPN-VXLAN, providing flexibility for complex network topologies. The system is designed for high availability, scalability, and secure operations, which aligns with carrier-grade requirements.

Industrial Option: Robustel R2010 For industrial or IoT-focused deployments, the Robustel R2010 provides 4G/LTE connectivity with dual-SIM redundancy, dual Ethernet, and carrier-grade failover. While it does not natively support 40G speeds, it is highly reliable for remote or harsh environments, offering PoE-PD, RS-232/RS-485 integration, and secure VPN tunnels (IPsec, OpenVPN, GRE, WireGuard) for telemetry and control systems.

RoHS Compliance Considerations Canadian RoHS (Restriction of Hazardous Substances) compliance ensures that electronic equipment limits hazardous materials such as lead, mercury...

Article Content

7280R3A Series Data Center Switch Router

Designed for deployment in a wide range of open networking solutions including large scale layer 2 and layer 3 cloud designs, enterprise data centers and service provider networks, the 7280R3A Series

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Support Canada Carriers. 3G/4G LTE CAT4 wireless connection, Compatible with major carriers in Canada. INDUSTRIAL 4G LTE ROUTER - Teltonika RUT241 features with a built-in LTE

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The transceivers all support 40G Ethernet, which results in very fast data transmissions of up to 40 Gbit/s. This is 40 times faster than Gigabit Ethernet

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Cisco ASR 9000 Series 5th Generation 400 Gigabit Ethernet

With these capabilities, the ASR 9000 Series line card (Figure 1) and routers provide the fundamental infrastructure for scalable Carrier Ethernet and IP/Multiprotocol Label Switching

Cisco ASR 9000 Series 40 and 56 Gigabit Ethernet Line Cards Data

The Cisco ASR 9000 Series line cards and routers are designed to provide the fundamental infrastructure for scalable Carrier Ethernet and IP/MPLS networks, allowing profitable

Cisco Carrier Grade Services Engine Module Data Sheet

The Cisco ® Carrier-Grade Services Engine (CGSE) for the Cisco Carrier Routing System (CRS) is an ideal platform for these services. The Cisco

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Foundry Network's 10GbE NetIron 40G router offers wire-speed, non-blocking performance of up to 1.5 billion packets per second. These IPv4/IPv6 routers provide up to 480 Mp/sec forwarding

Strategic Roadmap for Carrier Class Router and Switch Industry

The carrier-class router and switch market is booming, projected to reach \$40 billion by 2033, driven by 5G, cloud computing, and IoT. Explore market trends, key players (Cisco, Huawei,

Cisco 4G LTE 2.0 Network Interface Modules

The Cisco 4G LTE NIMs for Cisco 4000 Series Integrated Services Routers provide the next generation of wireless WAN primary and backup solutions.

10 Best 4g lte router in Canada

Teltonika RUT241098000 (North America Version) Industrial 4G LTE Cellular Router, 4G LTE Wi-Fi Router, Automatic failover, Advanced VPN, Support Canada Carriers Like

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7280R3 Series Data Center Switch Router

The flexibility coupled with the range of system forwarding profiles ensures optimal resource allocation for a wide range of network topologies and use cases including Internet Peering, virtualization,

Cisco ASR 9000 Series 40 and 56 Gigabit Ethernet Line Cards Data

This line card delivers industry-leading 40 1-Gigabit Ethernet ports or a combination of 4 10-Gigabit Ethernet and 16 1-Gigabit Ethernet ports to any slot of a Cisco ASR 9000 Series

Buy Cutting-Edge 40G Routers on Sale | Price Drop Alert!

Look no further than 40G routers. These advanced devices offer excellent performance with high-speed interfaces, integrated low latency, and higher

7280R3A Series Data Center Switch Router

The Arista 7280R3A Series FlexRoute engine provides Internet scale routing to support deployment as an Internet border/peering router, enterprise CDN backbone or data center interconnect (DCI). Arista

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