

Supplier s Carrier-Grade Router 800G



Overview

The AGR120 is a deep-packet buffer router for carrier access, aggregation, and data center applications. Powered by Broadcom StrataDNX® Qumran MX™ ASIC and an Intel Xeon CPU, it delivers line-rate 800 Gbps Layer 2/3 performance with IEEE 802.1AE MACsec for secure 10G downlinks. Leveraging the advanced Qumran3D platform, it delivers exceptional forwarding scale, power efficiency, and feature richness to address the rapidly evolving demands of carrier-grade backbone. 800GE routing is the next-generation in IP networking technology, enabling operators to seamlessly upgrade router interface speeds up to 800 Gigabits per second, simply by equipping faster optics. It leverages the most recent QSFP-DD interface module specifications to support high-density 800GE. 7050X Series The 7050X Series combine scalable L2 and L3 features with comprehensive network monitoring, automation, virtualization and visibility features for Enterprise and virtualized Data Center networks. This series provides up to 800 Gbps switching capacity and supports various service interfaces such as 100GE, 50GE, 25GE, 10GE, GE, FE, CPOS 155M, and E1. Supercharge your IT operations with a mesh of intelligent AI agents that can reason to solve problems across your hybrid IT estate. Solving complex challenges takes more than technology—it takes partnership.



Article Content

Carrier-Grade Infrastructure Solution Brief: Deploying Bulk Network

ApexTel™ Bulk Network Router Series (BNR9000) represents a paradigm shift in high-density, carrier-grade edge and core routing. Designed for telecommunications providers, ...

Carrier Grade Router: High-Reliability Networking Solution

Discover carrier grade routers with dual redundant power, 100GE ports, and SDN compatibility. Find top-rated suppliers offering enterprise-grade reliability. Click to explore verified options for ISPs and

NetEngine 8000 X Series

The NetEngine 8000 X series comprises Huawei's carrier-grade flagship routers. The X series makes technological breakthroughs in powerful heat dissipation

Juniper (JNPR) Expands Networking Portfolio With 800G Router

Juniper (JNPR) is set to unveil a cutting-edge 800G router at OFC 2024. The solution delivers robust scalability, operational simplicity and power efficiency for advanced data center use

S9725-64E

The S9725-64E fabric couples with the S9700 Series routers in varying cluster sizes, enabling horizontal scaling up to 921.6Tbps switching capacity in a pay-as

Juniper PTX Series Routers: Secure, high-performance

Offering native 400G and 800G inline MACsec, deep buffering, flexible filtering, and a reliable network operating system, they are versatile, high-performance, and

Cisco ASR-9006-AC vs ASR-9001: Carrier-Class Router Performance ...

Cisco ASR-9006-AC vs ASR-9001: Carrier-Class Router Performance Comparison When evaluating carrier-grade routing solutions, network architects must carefully compare the Cisco ASR

S9620-32E 800G Open Aggregation Router

The S9620-32E rises to this challenge by providing a compact, power-optimized solution that supports 800G ports with flexible breakout options, enabling seamless scalability and efficient bandwidth

800GE IP routing explained

To reap the benefits of digitalization, network operators need state-of-the-art IP routing technology. The answer lies in 800GE which offers vast scale and real

Cisco ASR 9900 Series 8-Port 100 Gigabit Ethernet Line Cards with 7 ...

With these capabilities, the ASR 9900 Series line cards (Figure 1) and routers provide the fundamental infrastructure for scalable Carrier Ethernet and IP/Multiprotocol Label Switching

Enterprise vs Consumer Routers: When to Invest in Carrier-Grade Gear

When to Make the Leap to Enterprise Routers Deciding when to invest in carrier-grade gear depends on several factors. Businesses experiencing rapid growth, handling sensitive data, or

800G Solutions

For the most demanding environments, the 800G routing and switching platforms provide flexibility and choice for large scale cloud, AI, leaf and spine, routing

800G Aggregation Router-AGR100

800G Aggregation Router The AGR100 router delivers high performance, reliability, and scalable networking for cloud data centers and carrier access providers. It supports Layer 2 and Layer 3

S9610-36D Open Aggregation Router Datasheet

Open Aggregation Router The S9620-32E is a high-capacity 32 x 800G router purpose-built for next-generation IP transport networks. Leveraging the advanced Qumran3D platform, it delivers

NetEngine 8000E X16 High-Capacity Core Router 400G 800G 100G

It can provide end-to-end solution in Data Communication, Optical Transmission, Optical Access, Network Security, AI Computing, Data Storage, Wireless, etc.. Meanwhile, ABK can provide expansion,

Cisco 8201-24H8FH Router : 400G/800G Ports, High Density & Carrier-Grade

The Cisco 8201-24H8FH Router is a next-generation, high-performance core router designed for service providers, cloud operators, and large enterprises demanding ultra-high bandwidth and scalability.

800G Aggregation Router

The AGR120 is a deep-packet buffer router for carrier access, aggregation, and data center applications. Powered by Broadcom StrataDNX® Qumran MX™ ASIC and an Intel Xeon CPU, it delivers line-rate

Nokia 800GE Routing

We are the sole vendor with proven 800GE routing solutions on the market today. Nokia 800GE routing offers a smooth upgrade path from 100 or 400 to 800 Gb/s link speeds, with immediate and recurring

AGR200 Aggregation Router

The AGR200 is a high-performance access aggregation router with flexible 25G-400G (upgradeable to 800G) ports in a compact design. Powered by Broadcom Qumran3u, it delivers scalable routing,

Contact Us

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