

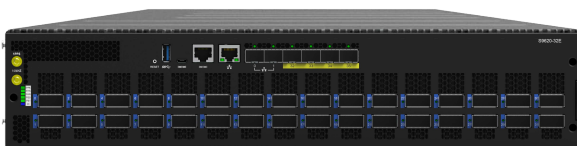
S9620-32E

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 exceptional forwarding scale, power efficiency, and feature richness to address the rapidly evolving demands of carrier-grade backbone and metro aggregation networks.

As AI applications accelerate the exponential growth of east-west and edge-to-core traffic, transport networks face increasing pressure to deliver higher bandwidth, lower latency, and greater flexibility. 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 utilization.

With robust support for segment routing, MPLS, and advanced QoS, the S9620-32E ensures reliable service delivery and traffic engineering across complex network topologies. Its telemetry-ready architecture and hardware-based forwarding capabilities make it an ideal choice for operators looking to future-proof their transport infrastructure in the age of AI-driven connectivity.



KEY BENEFITS

- Highly reliable, non-blocking switching capacity
- Enable MACsec for point-to-point security
- Integrate open NOS applications for highly reliable composable networks
- Futureproof to meet the evolving requirements of 5G with ultra-low latency, high precision frequency and phase timing synchronization support
- Suitable for WAN and long-haul applications, supports OpenZR+ for metro and regional aggregation
- Streamline maintenance with redundant and hot swappable power and fan modules

KEY FEATURES

- High speed 800G ports with support for OpenZR+
- 25.6Tbps switching capacity with an 8-Core, 1.9GHz processor
- 32GB Deep Buffer
- Class C timing accuracy support
- Fully supports SyncE and IEEE 1588v2 timing synchronization profiles
- Integrated Stratum 3E OCXO with optional hold over performances
- Support full Segment Routing over IPv6 (SRv6)
- Built-in large size TCAM to offer additional table sizes
- Hot swappable power supplies with 1+1 redundancy support
- Hot swappable fan modules with 3+1 redundancy support

SPECIFICATIONS

PHYSICAL

	♦ 32 x 100/200/400/800G QSFP-DD ports with ZR/ZR+ support
	♦ 4 x 1/10/25G SFP28 ports
	♦ 2 x 10G SFP+ management ports
	♦ 1 x RJ45 & Micro USB serial console ports
	♦ 1 x 100/1000M RJ45 management port
	♦ 1 x USB 3.0 Type-A port
Processor	Intel Icelake-D 8-Core @ 1.9GHz, VROC Support
Memory	64GB DDR4
Storage	2 x 256GB SSD
ASIC	Broadcom Qumran3D BCM88870
BMC	AST2620
Timing Interfaces	1 x 10MHz input/output SMB 1 x 1PPS input/output SMB
Timing Support*	Stratum 3E OCXO ITU-T Synchronous Ethernet (SyncE) IEEE 1588v2 - Default, G.8265.1 G.8275.1, G.8275.2, SMPTE ST 2059-2+, T-BC/OC, T-TC
Chassis (WxDxH)	2RU, 436 x 580 x 87.7 mm or 17.17" x 22.83" x 3.45" Weight: 19.65kg or 46.42lb (without FRU)
Redundancy	Hot swappable, 1+1 redundant PSU Hot swappable, 3+1 redundant Fans

*NOS integration is necessary to activate the specific feature.
**Additional license is required

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ENVIRONMENTAL

Power Specs.	AC input: 200 to 240V, 16A DC input: -48 to -60V, 80A Typical power: 696 Watts (no transceiver)
Max. Operating Specs.	Operating temperature: 0°C to 45°C (32°F to 113°F) Operating humidity: 5% to 85% (RH), non-condensing
Max. Non-Operating Specs.	Storage temperature: -40°C to 70°C (-40°F to 158°F) Storage humidity: 5% to 93% (RH), non-condensing

PERFORMANCE

Switching Capacity	25.6Tbps
Deep Buffer	32GB

REGULATORY COMPLIANCE

Safety	UL 62368-1 IEC 62368-1	EMC	FCC Part 15, Subpart B, Class A ICES-003, Class A EN 55032, Class A EN 300 386 EN 55035 VCCI CISPR 32, Class A
Environment	WEEE		

Specifications are subject to change without notice.
Contact our sales team for current configuration options.

S9620-32E Front and Back Views



ACCESSORIES

Compatible Transceiver Types	800GE QSFP-DD OpenZR+, 800GE QSFP-DD ZR, 800GE QSFP-DD 2xLR4, 800GE QSFP-DD 2xFR4, 800GE QSFP-DD DR8+, 800GE QSFP-DD DR8, 800GE QSFP-DD SR8, 400GE QSFP-DD OpenZR+, 400GE QSFP-DD ZR, 400GE QSFP-DD ER4, 400GE QSFP-DD LR4, 400GE QSFP-DD FR4, 400GE QSFP-DD SR8, 400GE QSFP-DD DR4, 400GE QSFP-DD DR4+, 400GE QSFP-DD PLR4, 200GE QSFP56 SR4, 200GE QSFP56 FR4, 100GE QSFP28 ZR4, 100GE QSFP28 ER4, 100GE QSFP28 SR4, 100GE QSFP28 LR4
Compatible Timing Cable Types	50 ohms SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz
Available to Order	
Power Supply Types	PSU-322-DEJR-NN, 3200W DC, exhaust air flow PSU-322-AECR-NN, 3200W AC, exhaust air flow
FAN Types	FAN- 805616-HCD, exhaust air flow

