

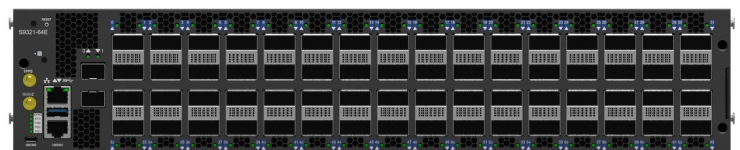
S9321-64E

800G

Data Center Switch

Next generation cloud service applications not only consume more data, it requires service providers to build more flexible, agile and scalable networks to meet the increasing demands of their customers. The evolution to 800G will provide data centers with the capability to meet capacity demands of AI application. The S9321-64E 800G data center switch will provide data centers with a rich set of features such as large forwarding database, powerful load balancing and robust buffer performance to address the rapidly increasing scale of data center network deployments and distributed computing applications.

The S9321-64E is a white box data center switch with open network capabilities. It can be positioned as a spine/leaf switch and core aggregation. The load balancing and congestion management from the S9321-64E enables it to be positioned as an application load balancer.



KEY BENEFITS

- Hardware-based encapsulation
- Network monitoring and network congestion detection
- End-to-end congestion control designed to handle large, low entropy flows typical of AI/ML workloads
- Dynamic load balancing for equal cost multipath (ECMP) groups.
- Integrated high-performance SmartBuffer memory for maximum burst absorption and service guarantees
- Extensive support for streaming and in-band telemetry
- Suitable for applications such as AI data center, cloud computing, mobile core, and large-scale enterprise campus backbone

KEY FEATURES

- High density 64 x 800G service interfaces
- 51.2Tbps switching capacity
- Intel® Icelake-D 4-cores
- Broadcom Tomahawk5 Silicon
- Individual BMC for monitoring and managing equipment health status
- Hot swappable power supplies with 1+1 redundancy support
- Hot swappable fan modules with 3+1 redundancy support

SPECIFICATIONS

PHYSICAL

| | |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| ♦ 64 x 200/400/800G QSFP-DD ports | |
| ♦ 2 x 10/25G SFP28 ports | |
| ♦ 1 x 100/1000M RJ45 OOB management port | |
| ♦ 1 x RJ45 & Micro USB serial console port | |
| ♦ 1 x USB 3.0 Type-A port | |
| Processor | Intel Icelake-D 4-Core @ 1.9GHz |
| Memory | 32GB DDR4 |
| Storage | 128GB M.2 SSD |
| ASIC | Broadcom Tomahawk5 BCM78900 |
| BMC | AST2620 |
| Timing Interfaces | 1 x 1PPS input/output SMB(Premium) 1 x 10MHz input/output SMB(Premium) |
| Timing Support | Stratum 3E OCXO ITU-T Synchronous Ethernet (SyncE) IEEE 1588v2 (Default, G.8265.1, G.8275.1, G.8275.2), T-TC, T-BC/OC, T-GM |
| Chassis (WxDxH) | 2RU, 436 x 762 x 87.7 mm or 17.17" x 30" x 3.45" Weight: 23.72 kg (52.28 lbs) |
| Redundancy | Hot swappable, 1+1 redundant PSU Hot swappable, 3+1 redundant Fans |

Contact our sales team for current configuration options.

S9321-64E

Cloud & Data Center Solutions

ENVIRONMENTAL

| | |
|---------------------------|-----------------------------------------------------|
| Power Specs. | AC input: 200 to2 40V, 16A |
| | DC input: -40V to -72V, 80A |
| | Typical power: 793 Watts (no transceiver) |
| Max. Operating Specs. | Operating temperature: 0°C to 40°C (32°F to 104°F) |
| | Operating humidity: 5% to 95% (RH), non-condensing |
| Max. Non-Operating Specs. | Storage temperature: -40°C to 70°C (-40°F to 158°F) |
| | Storage humidity: 5% to 95% (RH), non-condensing |

PERFORMANCE

| | |
|--------------------|-----------|
| Switching Capacity | 51.2 Tbps |
| Packet Buffer | 165.2 MB |

REGULATORY COMPLIANCE

| | | | |
|-------------|---------------------------|-----|---------------------------------|
| Safety | UL 62368-1 IEC 62368-1 | EMC | FCC Part 15, Subpart B, Class A |
| | | | |
| Environment | WEEE | | |

Specifications are subject to change without notice.

S9321-64E Front and Back Views



ACCESSORIES

- Compatible Transceivers 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
SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz
- Available to Order
Power Supply Types
PSU-302-DESR, 3000W DC, exhaust air flow
PSU-302-AESR, 3000W AC, exhaust air flow

Fan Types
FAN-808012- HCE, exhaust air flow

