

S9301-32D

400G

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 400G will provide data centers with the capability to meet capacity demands. The S9301-32D 400G data center switch will provide data centers with high speed and low latency interconnections which will fulfill the growing data demands in the cloud data centers.

The S9301-32D is a white box data center switch with open network capabilities. It can be positioned as a ToR (Top-of-Rack), spine/leaf switch, core aggregation and data center interconnect.



KEY BENEFITS

- Monitoring link status to re-assign traffic flow dynamically
- Optimization for the east-west traffic pattern
- Flexible and efficient data processing
- Centralize and adaptive packet memory management architecture
- On-chip packet buffers minimize the data latency
- Optimal buffer utilization and burst absorption
- Packet level telemetry with microsecond granularity
- Enable real-time network status visibility

KEY FEATURES

- High density 32 x 400G service interfaces
- 12.8Tbps switching capacity
- Support OpenZR+
- Intel® Skylake-D 8-cores
- Broadcom Tomahawk 3 Silicon
- Individual BMC for monitoring and managing equipment health status
- Hot swappable power supplies with 1+1 redundancy support
- Hot swappable fan modules with 5+1 redundancy support

SPECIFICATIONS

PHYSICAL

- ◆ 32 x 40/100/400G QSFP-DD ports
- ◆ 2 x 1/10G SFP+ ports
- ◆ 2 x 10G SFP+ OOB management port
- ◆ 1 x 100/1000M RJ45 OOB management port
- ◆ 1 x RJ45 serial console port
- ◆ 1 x USB 3.0 Type-A port

Processor Intel Skylake-D 8-Core @ 1.9GHz

Memory 32GB DDR4

Storage 128GB SSD

ASIC Broadcom Tomahawk 3 BCM56980

BMC AST2620

LED Power and System status LEDs per unit
Link and Activity LEDs per port
FAN Status LED per FAN
PSU Status LED per PSU
Beacon LED

Chassis 1RU, 436 x 645 x 43.8 mm
(WxDxH) or 17.17" x 25.4" x 1.72"
Weight: 11.34 kg (25 lbs)

Redundancy Hot swappable, 1+1 redundant PSU
Hot swappable, 5+1 redundant Fans

ENVIRONMENTAL

Power Specs. AC input: 200 to 240V, 7.5A
DC input: -40V to -75V, 40A
Typical power: 419 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 12.8 Tbps

Packet Buffer 64 MB

REGULATORY COMPLIANCE

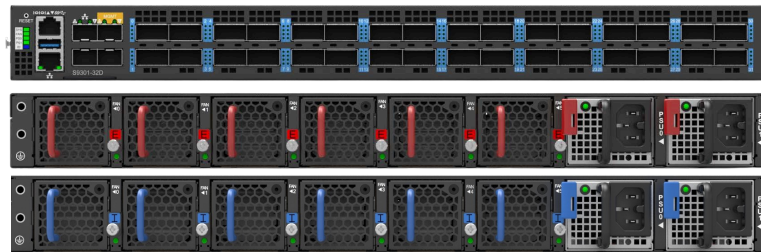
| | | | |
|-------------|-------------|-------------------|---------------------------------|
| Safety | UL 62368-1 | EMC | FCC Part 15, Subpart B, Class A |
| | IEC 60950-1 | | ICES-003, Class A |
| Environment | IEC 62368-1 | EN 55032, Class A | EN 300 386 |
| | BSMI | EN 55024 | EN 55035 |
| | RoHS | BSMI | VCCI CISPR 32, Class A |
| | WEEE | | |

Specifications are subject to change without notice.

S9301-32D

Cloud &
Data Center
Solutions

S9301-32D Front and Back Views



Front to Back Airflow

Back to Front Airflow

ACCESSORIES

Compatible Transceivers Types

400GE QSFP-DD ZR, 400GE QSFP-DD ER4, 400GE QSFP-DD LR4, 400GE QSFP-DD SR8, 400GE QSFP-DD FR4, 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 LR4, 100GE QSFP28 SR4

Available to Order

Power Supply Types

PSU-132-DESR, 1300W DC, exhaust air flow
PSU-132-DISB, 1300W DC, intake air flow
PSU-132-AESR, 1300W AC, exhaust air flow
PSU-132-AISB, 1300W AC, intake air flow

Fan Types

FAN-405637-HD, exhaust air flow
FAN-405637-CD, intake air flow

