

S9300-32D

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 S9300-32D 400G data center switch will provide data centers with a rich set of features, multiple protocol support, and run-time programmability, which will enable high performance in the most demanding environments.

The S9300-32D is a white box data center switch with open network capabilities. It can be positioned as a programmable ToR (Top-of-Rack), spine/leaf switch, core aggregation and data center interconnect. The load balancing and congestion management from the S9300-32D enables it to be positioned as an application load balancer.



KEY BENEFITS

- Monitoring link status to re-assign traffic flow dynamically
- Optimization for the east-west traffic pattern
- Flexible and efficient data processing
- Open source NPL programming language
- 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
- Intel® Skylake-D 8-cores
- Broadcom Trident4-X11 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

<ul style="list-style-type: none">◆ 32 x 40/100/400G QSFP-DD ports◆ 2 x 10GBase SFP+ management ports◆ 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 Trident4-X11 BCM56880
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
Chassis (WxDxH)	1RU, 436 x 645 x 43.8 mm or 17.17" x 25.4" x 1.72" Weight: 11.66 kg (25.71 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: 303 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	132 MB

REGULATORY COMPLIANCE

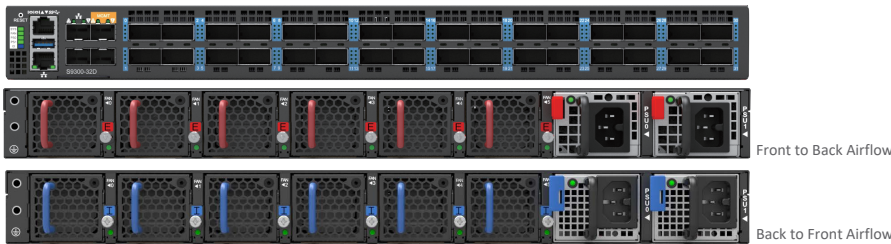
Safety	UL 62368-1 IEC 62368-1	EMC	FCC Part 15, Subpart B, Class A ICES-003, Class A EN 55032, Class A EN 300 386 EN 55024 EN 55035 BSMI VCCI CISPR 32, Class A
Environment	WEEE RoHS		

Specifications are subject to change without notice.

S9300-32D

Cloud & Data Center Solutions

S9300-32D Front and Back Views



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-DISR, 1300W DC, intake air flow
PSU-132-AESR, 1300W AC, exhaust air flow
PSU-132-AISR, 1300W AC, intake air flow
- Fan Types**
FAN-405637-HD, exhaust air flow
FAN-405637-CD, intake air flow

