

## S9300-32D

### 400GE DataCenter Switch

Enterprises need to support a variety of networking protocols and the S9300 is capable of supporting a broad array of protocols making it an ideal choice for enterprise data centers. The S9300's NEBS compliant design also makes it suitable for telcom data center installations. With a rich feature set plus run time programmability and flexibility, the S9300 offers investment protection for enterprises migrating from 40G and 100G to 400G.

The S9300 has many applications, including being positioned as data center programmable ToR (Top-of-Rack), data center leaf/spine, core aggregation, and data center interconnect. The load balancing and congestion management from the S9300 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
- Centralize and adaptive packet memory management architecture
- Large on-chip packet buffer minimize the data latency, and burst absorption.
- Packet level telemetry with microsecond granularity
- Enable real-time network status visibility

## KEY FEATURES

- High density 32 x 400GE service interface
- 12.8Tbps Switching Bandwidth
- Intel® Skylake-D D-2145NT 8 Cores
- Broadcom Trident 4 Silicon
- Individual BMC for monitoring and managing equipment health status
- 1 + 1 hot swappable PSU FRU
- 5 + 1 hot swappable Fan FRU

# SPECIFICATIONS

## PHYSICAL

- ◆ 32 x 400GE QSFP-DD service ports
- ◆ 2 x 10GE SFP+ management ports
- ◆ 2 x 10GE SFP+ OOB management ports
- ◆ 1 x 10/100/1000 RJ-45 OOB management port
- ◆ 1 x RJ45 serial console ports
- ◆ 1 x USB 3.0 Type-A port

Processor	Intel Skylake-D D-2145NT 8 Cores
Memory	2x16GB DDR4 R-DIMM with ECC support
Storage	1x128GB SSD
ASIC	Broadcom Trident 4 BCM56880
BMC	Aspeed AST2400

LED	Power and System status LEDs per unit Link and Activity LEDs per port FAN Status LED per FAN PSU Status LED per PSU
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Chassis (WxDxH)	1RU, 436 x 645 x 44.0 mm 17.17 x 25.4 x 1.73 in. Weight: 29kg (63.9 lbs)
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Redundancy	Hot swappable, 1+1 redundant PSU Hot swappable, 5+1 redundant Fans
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## ENVIRONMENTAL

Power Supply	AC input: 200 ~ 240V DC input: -48V Max power: 1300 Watts
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Max. Operating Specs.	Operating temperature: 0°C to 40°C (32°F to 104°F) Operating humidity: 10% to 90% (RH), noncondensing
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Max. Non-Operating Specs.	Storage temperature: -40°C to 70°C (-40°F to 158°F) Storage humidity: 5% to 95% (RH), non-condensing
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## PERFORMANCE

Switching Capacity	12.8 Tbps
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Packet Throughput	5228.8 Mpps
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## REGULATORY COMPLIANCE

Safety	UL 626801 IEC/EN 60950-1 IEC/EN 62368-1 BSMI CM 14336-1
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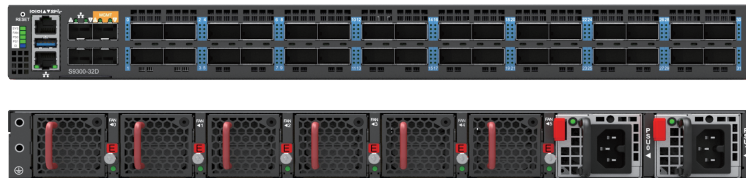
EMC	FCC Part 15, Subpart B, Class A EN 55032, Class A EN 300 386 EN 55024 EN 55035 BSMI (CNS 13438), Class A VCCI-CISPR 32:2016, Class A VCCI 32-1:2016, Class A
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Specifications are subject to change without notice.

# S9300-32D

Cloud &  
Data Center  
Solutions

## S9300-32D Front and Back Views



## SUPPORTED ACCESSORIES

### Transceivers

400GE QSFP-DD SR8, 400GE QSFP-DD LR8, 400GE QSFP-DD DR4, 400GE QSFP-DD FR4,  
100GE QSFP28 SR4, 100GE QSFP28 LR4, 100GE QSFP28 ER4

### Cable Types

400GE QSFP-DD DAC (Direct Attach Cable) 400GE QSFP-DD ACC (Active Copper Cable)  
400GE QSFP-DD AOC (Active Optical Cable) 100GE QSFP28 DAC (Direct Attach Cable)  
100GE QSFP28 ACC (Active Copper Cable) 100GE QSFP28 AOC (Active Optical Cable)

### Power Supply Types

PSU-132-DESR 1300W DC, exhaust air, slim type, red color latch  
PSU-132-DISR 1300W DC, intake air, slim type, blue color latch  
PSU-132-AISR 1300W AC, intake air, slim type, blue color latch  
PSU-132-AESR 1300W AC, exhaust air, slim type, red color latch

### Fan Types

FAN-405636-HD, exhaust air FAN-405636-CD, intake air  
FAN-405632-HD, exhaust air FAN-405632-CD, intake air

### Rack mounting kit

R19-930032-2630 adjustable mounting rail for 19" rack supporting  
depth from 26" to 30"

