

# S9110-32X

## 100G

### 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 S9110-32X 100G 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 S9110-32X 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 S9110-32X 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
- 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 100G service interfaces
- 3.2Tbps switching capacity
- Intel® Denverton 4-Cores
- Broadcom Trident3-X7 Silicon
- Individual BMC for monitoring and managing equipment health status
- Hot swappable power supplies with 1+1 redundancy support
- Hot swappable fan modules with 2+1 redundancy support

# SPECIFICATIONS

## PHYSICAL

- ◆ 32 x 40/100G QSFP28 ports
- ◆ 1 x 10G SFP+ management port
- ◆ 1 x 100/1000M RJ45 management port
- ◆ 1 x RJ45 serial console port
- ◆ 1 x USB 3.0 Type-A port

Processor Intel Denverton 4-Core @ 1.6GHz

Memory 8GB DDR4 (Up to 32GB)

Storage 64GB SSD

ASIC Broadcom Trident3-X7 BCM56870

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, 440 x 480 x 43.8 mm  
or 17.32" x 18.90" x 1.72"  
Weight: 7.44kg or 16.4lbs

Redundancy Hot swappable, 1+1 redundant PSU  
Hot swappable, 2+1 redundant Fans

## ENVIRONMENTAL

Power Specs. AC input: 100 to 240V, 10A  
DC input: -36 to -75V, 28A  
Typical power: 184 Watts (no transceiver)

Max. Operating Specs. Operating temperature (Back to Front): 0°C to 40°C (32°F to 104°F)  
Operating temperature (Front to Back): 0°C to 45°C (32°F to 113°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 3.2 Tbps

Packet Buffer 32 MB

## REGULATORY COMPLIANCE

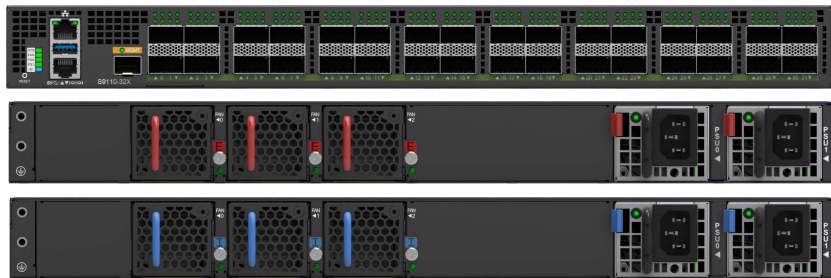
Safety	UL 62368-1 IEC 62368-1	EMC	FCC Part 15, Subpart B, Class A ICES-003, Class A EN 55032, Class A EN 300 386 EN 55035 VCCI CISPR 32, Class A
Environment	WEEE		

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

# S9110-32X

Cloud &  
Data Center  
Solutions

### S9110-32X Front and Back Views



Front to Back Airflow

Back to Front Airflow

## ACCESSORIES

### Compatible Transceivers Types

100G QSFP28 SR4, 100G QSFP28 LR4, 100G QSFP28 ER4, 100G QSFP28 ZR4

### Available to Order

#### Power Supply Types

PSU-751-DESR, 750W DC, exhaust air flow

PSU-751-DISB, 750W DC, intake air flow

PSU-751-AESR, 750W AC, exhaust air flow

PSU-751-AISB, 750W AC, intake air flow

#### Fan Types

FAN-405637-HD, exhaust air flow

FAN-405637-CD, intake air flow

