

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 1G 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

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, 446 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: -40 to -75V, 28A
Typical power: 160 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 Storage temperature: -40°C to 70°C (-40°F to 158°F)
Specs. 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
VCCI CISPR 32, Class A

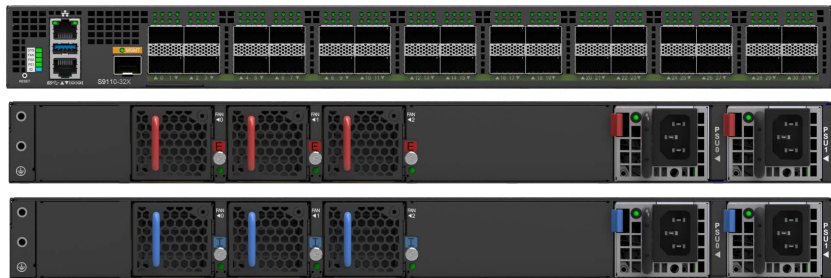
Environment WEEE

Specifications are subject to change without notice.

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

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

