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℃ to 40℃ (32°F to 104°F) Operating temperature (Front to Back): 0℃ to 45℃ (32°F to 113°F) Operating humidity: 5% to 95% (RH), non-condensing
Max. Non-Operating Specs.	Storage temperature: -40℃ to 70℃ (-40°F to 158°F) Storage humidity: 5% to 95% (RH), non-condensing

PERFORMANCE

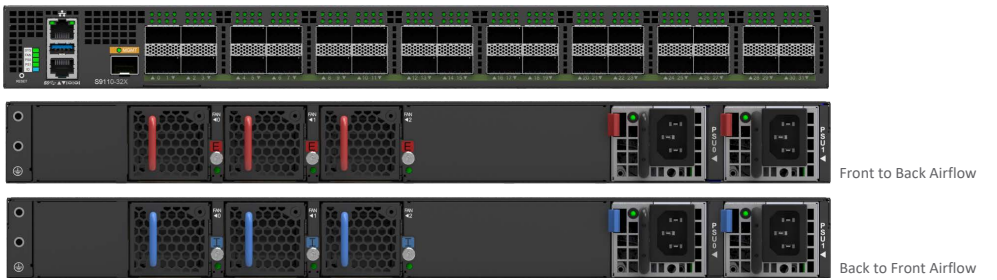|	
Switching Capacity	3.2 Tbps
Packet Buffer	32 MB

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