Data Center Switch

AS9726-32DB

The Edgecore DCS211 is spine switch for high-performance data centers. The switch provides line-rate L2 and L3 switching across the 32 x QSFP56-DD ports, each supporting 1 x 400 GbE or 1 x 100 GbE, or via breakout cables 4 x 100 GbE or 4 x 25 GbE. The DCS211 can be deployed as a spine switch supporting 100/400 GbE spine interconnects. This open network switch is loaded with the Open Network Install Environment (ONIE), which supports the installation of compatible Network Operating System software, including the open source options Open Network Linux, plus commercial NOS offerings.

Key Features and Benefits

- Cost-effective, open network switch for data center fabric.
- QSFP56-DD switch ports, each supporting 1 x 400 GbE, or via breakout cables 4 x 100 GbE.
- Incorporates Broadcom Trident 4 switch series silicon for non-blocking line-rate performance.
- 1 RU form factor.
- Supports hot/cold aisles with front-to-back and back-to-front airflow SKUs.
- All ports on front; PSUs and fans accessible from rear.
- Hot-swappable, load-sharing, redundant 1300 W PSUs.
- 5+1 redundant, hot-swappable fan modules.
- Hardware switch pre-loaded with Open Network Install Environment (ONIE) for automated loading of compatible open source and commerical NOS offerings.
- Compatible with Open Network Linux (ONL), the open-source, OCP reference NOS.

OPEN PLATINUM

OPEN Compute Project SOLUTION PROVIDER

Freedom of choice

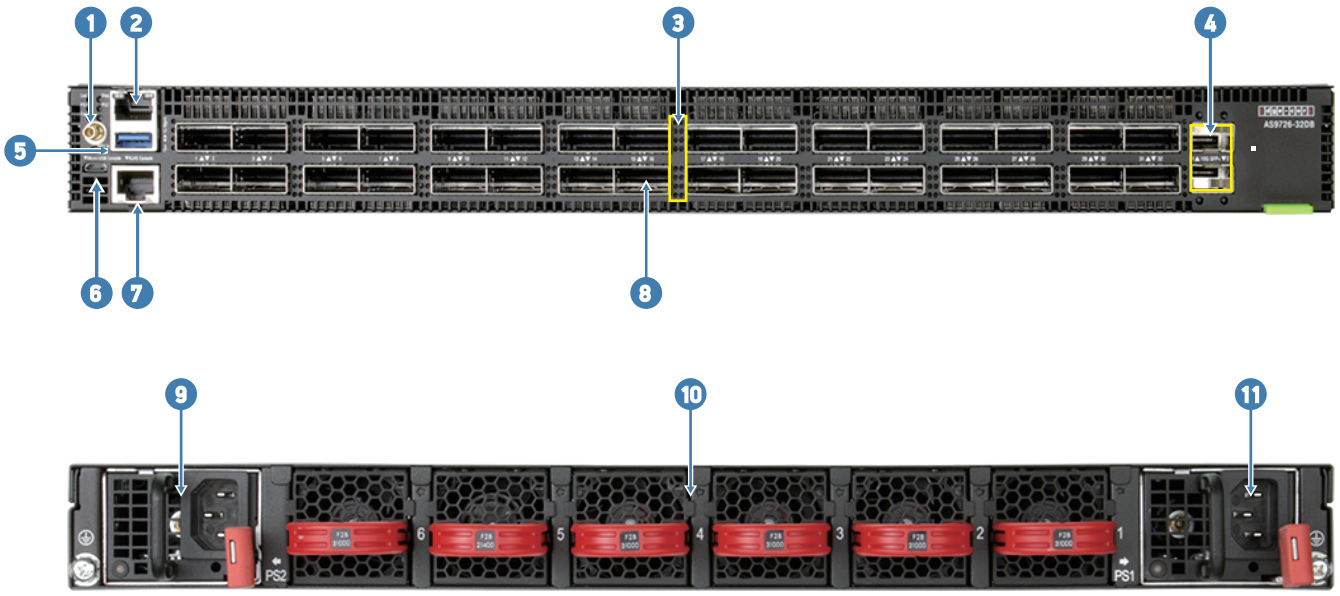
Greater control

Rapid innovation

Reduced CAPEX and OPEX

Software Supported

Interfaces



Description			
1	1PPS connector	7	RJ-45 console port
2	RJ-45 management port	8	32 x 400G QSFP56-DD ports
3	Port indicators	9	PSU 2
4	2 x 10G SPF+ ports	10	Hot-swappable 5 + 1 redundant fans
5	USB storage port	11	PSU 1
6	Micro USB console port (higher priority)		

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Ports
- Switch Ports: 32 x QSFP56-DD 400 GbE
  - Note: When a DAC cable is used in a topology, a link issue may be encountered if the CR4 Auto-Negotiation/Link Training does not turn on. This can be solved by manually enabling CR4 Auto Negotiation/Link Training.
- Management Ports on Port Sde:
  1 x RJ-45 serial console
  1 x Micro USB console port
  - Note: When both console ports are connected, only one is active. The Micro USB port has a higher priority.
  1 x RJ-45 1000BASE-T management
  2 x SFP+ 10G management
  1 x USB 3.0 storage port

Key Componets
- Switch Silicon: BCM56880 Trident 4 12.8 Tb/s
- CPU Modules:
  Intel® Pentium® Processor D1519 4-cores 1.5 GHz
  DDR4: 16 GB x 2 SO-DIMM
  SPI Flash: 32 MB x 2
  m.2 SSD: 64GB x 1

Performance
- Switching Capability: 25.6 Tbps full duplex
- Forwarding Rate: 7.88 Bpps
- Jumbo frames support up to 9416 bytes
- Packet Buffer Size: 132 MB SmartBuffer
- Subject to NOS:
  MAC Addresses: max. 384K

Physical and Environmental
- Dimensions (WxDxH): 43.84 x 59 x 4.35 cm (17.26 x 23.23 x 1.71 in.)
- Weight: 11.85 kg (26.12 lb), with 2 PSUs and 6 fans installed
- Fans: Hot-swappable 5 + 1 redundant fans
- Storage Temperature: -40°C to 70°C (-40°F to 158°F)
- Operating Temperature:
  (FtoB): 0°C ~ 45°C (32°F ~ 113°F)
  (BtoF): 0° C ~ 35° C (32°F to 95°F)
- Operating Humidity: 5% ~ 95% non-condensing

System and Port LEDs
- QSFP56-DD Port LEDs: Blue (400G), White (200G), Green (100G), Cyan (50G)
- Management Port LEDs:
  SFP+ 10G: Left: Green (link); Right: Green (10G), Amber (1G)
  RJ-45 1G: Left: Green (link); Right: Green (activity)
- System LEDs: PSU1, PSU2, Fan, Diag, and Loc
- Reset button

Software
- Switch is loaded with Open Network Install Environment (ONIE) software installer
- Compatible with the following NOS options:
  Open Network Linux, the open-source, OCP reference NOS

Power
- PSUs: 2 redundant, load-sharing, hot-swappable AC
- AC input range: 100~240 VAC at 50-60 Hz VAC

Regulatory
- Emissions:
  EN 55032:2015+AC:2016, Class A
  EN 61000-3-2:2014, Class A
  EN 61000-3-3:2013
  FCC Class A
- Immunity:
  EN 55035:2017
  EN 55024:2010+A1:2015
  IEC 61000-4-2/3/4/5/6/8/11
- Safety:
  UL (CSA 22.2 No 62368-1 & UL62368-1)
  CB (IEC/EN60950-1 & IEC/EN 62368-1)
- Environmental:
  GR63-CORE (Pre-test)
- RoHS-2.0 Compliant
- Electrical and Electronic Equipment (WEEE Directive 2002/96/EC)

Warranty
Please check www.edge-core.com for the warranty terms in your country.

For More Information
To find out more about Edgecore Networks Corporation products and solutions, visit www.edge-core.com.

About Edgecore Networks Corporation
Edgecore Networks Corporation is in the business of providing innovative network solutions. In the service provider network, in the data center or in the cloud, Edgecore Networks Corporation delivers the software and systems that transform the way the world connects. Edgecore Networks Corporation serves customers and partners worldwide. Additional information can be found at www.edge-core.com.

Edgecore Networks Corporation is a subsidiary of Accton Technology Corporation, the leading network ODM company. The Edgecore data center switches are developed and manufactured by Accton.

To purchase Edgecore Networks solutions, please contact your Edgecore Networks Corporation representatives at +886 3 563 8888 (HQ) or +1 (949)-336-6801 or authorized resellers.

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Ordering Information

Base model: AS9726-32DB; 32-Port 400G QSFP56-DD; ONIE software installer.

Model Number	CPU Module	PSU	Airflow	Region (power cord)
9726-32DB-O-AC-F-US	Intel® Pentium® Processor D1519	Dual AC PSUs	Port-to-Power airflow	N. America
9726-32DB-O-AC-B-US	Intel® Pentium® Processor D1519	Dual AC PSUs	Power-to-Port airflow	N. America
9726-32DB-O-AC-F-EU	Intel® Pentium® Processor D1519	Dual AC PSUs	Port-to-Power airflow	EU
9726-32DB-O-AC-B-EU	Intel® Pentium® Processor D1519	Dual AC PSUs	Power-to-Port airflow	EU
9726-32DB-O-AC-F-UK	Intel® Pentium® Processor D1519	Dual AC PSUs	Port-to-Power airflow	UK
9726-32DB-O-AC-B-UK	Intel® Pentium® Processor D1519	Dual AC PSUs	Power-to-Port airflow	UK
9726-32DB-O-AC-F-JP	Intel® Pentium® Processor D1519	Dual AC PSUs	Port-to-Power airflow	JP
9726-32DB-O-AC-B-JP	Intel® Pentium® Processor D1519	Dual AC PSUs	Power-to-Port airflow	JP