

Data Center Switch

AS7726-32X



The Edgecore DCS204 switch is a Top-of-Rack (TOR) or spine switch for high-performance data centers. In a compact 1RU form factor, the switch provides line-rate L2 and L3 switching across the 32 x QSFP28 ports, and each QSFP28 port can be configured as 2x50G, 4x25G, 1x40GbE or 4x10GbE by using DAC breakout cables. The DCS204 can be deployed as a TOR switch supporting 10/25/50 GbE to servers with 40/50/100 GbE uplinks, or as a spine switch supporting 40/50/100 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, plus commercial NOS offerings.

Key Features and Benefits

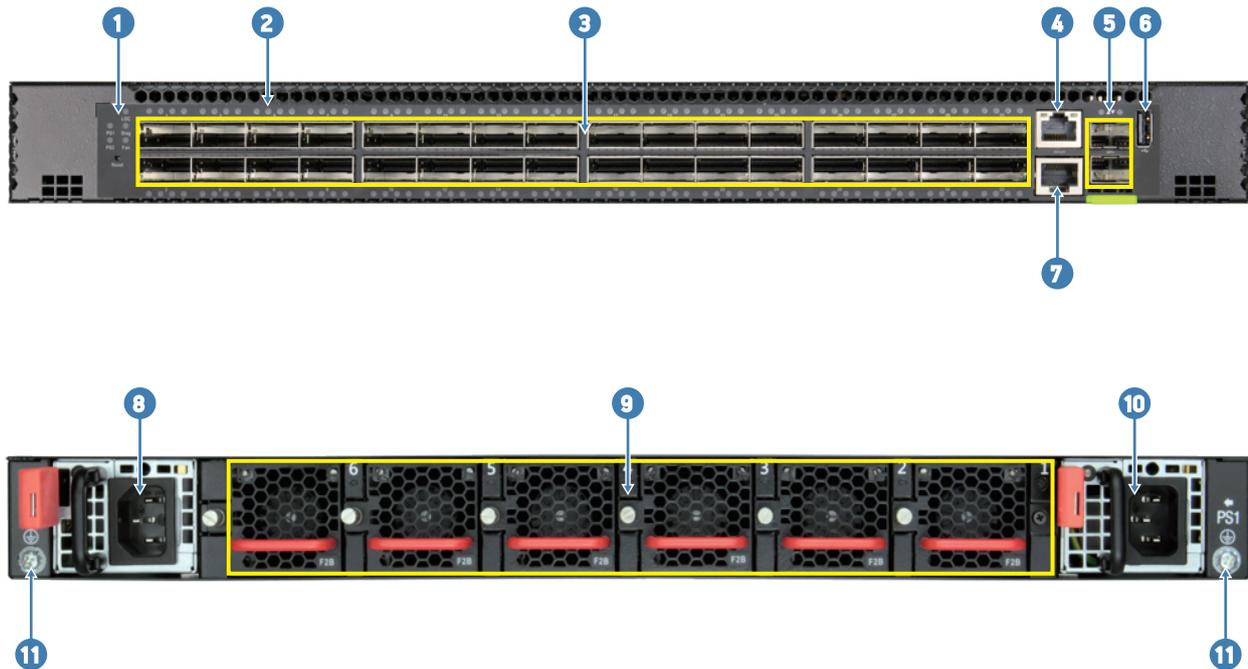
- Cost-effective, open network switch for data center fabric.
- Deploy as top-of-rack switch supporting 10 or 25 GbE to servers, with 40 GbE, 50 GbE, or 100 GbE uplinks.
- Deploy as spine switch supporting 40 GbE, 50 GbE, or 100 GbE ToR and spine interconnects.
- 32 x QSFP28 switch ports, each supporting 1 x 100 GbE or 1 x 40 GbE, or via breakout cables, 2 x 50 GbE or 4 x 25 GbE or 4 x 10 GbE.
- Layer 2 or Layer 3 forwarding of 6.4 Tbps (full duplex).
- Supports hot/cold aisle with port-to-power and power-to-port airflow SKUs.
- All ports on front; PSUs and fans accessible from rear.
- Hot-swappable, load-sharing, redundant AC or -48V DC PSUs.
- 5+1 redundant, hot-swappable fan modules.
- Energy efficient.
- Hardware switch pre-loaded with Open Network Install Environment (ONIE) for automated loading of compatible open source and commercial NOS offerings.



Free Software Included



Interfaces



Description

1. System LEDs	7. Console port
2. Port indicators	8. PSU 2
3. 32 x 100G/QSFP28 ports	9. Hot-Swappable 5 + 1 redundant fans
4. Management port	10. PSU 1
5. 10G management port	11. Grounding point
6. USB storage port	

Ports

- Switch Ports:
32 x QSFP28 ports. Each port supports 1 x 40/100 GbE or 2 x 50 GbE or 4 x 10/25 GbE per port using breakout cables
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 Side:
1 x RJ-45 serial console
1 x RJ-45 1000BASE-T management
2 x SFP+ 10G management ports
1 x USB Type A storage

Key Componets

- Switch Silicon: Broadcom BCM56870 Trident III 3.2 Tbps
No PHYs
- CPU Modules:
Intel® Xeon® D-1518 processor quad-core 2.2 GHz
DDR4: SO-DIMM 8 GB x 2
SPI Flash: 16 MB x 2
m.2 SSD: 64 GB MLC

Performance

- Switching Capacity: 6.4 Tbps full duplex
- Forwarding Rate: 2 Bpps
- Jumbo frames support up to 9416 Bytes
- Packet Buffer Size: 32 MB integrated packet buffer
- Subject to NOS:
MAC Addresses: 32 K min./288 K max.
VLAN IDs: 4 K
IPv4: 16 K min./168 K max. host entries; 32 K LPM entries with TCAM-only mode
IPv6: 8 K min. /100 K max. host entries; IPv6/128= 8 K TCAM-only mode

Physical and Environmental

- Dimensions (WxDxH): 43.84 x 51.5 x 4.35 cm (17.25 x 20.27 x 1.71 in.)
- Weight: 10.87 kg (23.96 lb), with two installed PSUs
- Operating Temperature: 0°C to 45°C (32°F to 113°F)
- Storage Temperature: -40°C to 70°C (-40°F to 158°F)
- Operating Humidity: 5% to 95% non-condensing

Software

- Switch is loaded with Open Network Install Environment (ONIE) software installer
- Compatible with the following NOS options: open source options, plus commercial NOS offerings.

LEDs

- QSFP 28 Port LEDs: Link Status, Activity, Rate
- Ethernet Management Port LED: Link Status, Activity
- System LEDs: Diagnostic, Locator, PSU and Fan Status

Power

- PSUs: 2 redundant, load-sharing, hot-swappable AC or -48 VDC
- AC input range: 100 V~240 VAC
- DC input range: -36~-75 VDC
- Power Consumption: 550 Watts maximum
- Redundant, current sharing, PG

Regulatory

- EMI:
CE Mark
EN55032 Class A
EN55024
EN61000-3-2
EN61000-3-3
FCC Part 15, Subpart B Class A
VCCI Class A
CCC
BSMI
- Safety:
CB
UL
CCC
BSMI
- Environmental: NEBS GR63-CORE (Pre-test)
- RoHS-2.0 Compliant
- The switch complied with the following WEEE standards:
Waste 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: AS7726-32X; Intel® Xeon® D-1518 Processor; 32-Port 100G QSFP28; ONIE software installer.

Model Number	Part Number	PSU	Airflow	Region (power cord)
7726-32X-0-AC-F-US	FP3ZZ7632420A	Dual AC PSUs	Port-to-Power airflow	N. America
7726-32X-0-AC-B-US	FP3ZZ7632421A	Dual AC PSUs	Power-to-Port airflow	N. America
7726-32X-0-AC-F-EU	FP3ZZ7632214A	Dual AC PSUs	Port-to-Power airflow	EU
7726-32X-0-AC-B-EU	FP3ZZ7632215A	Dual AC PSUs	Power-to-Port airflow	EU
7726-32X-0-AC-F-UK	FP3ZZ7632314A	Dual AC PSUs	Port-to-Power airflow	UK
7726-32X-0-AC-B-UK	FP3ZZ7632315A	Dual AC PSUs	Power-to-Port airflow	UK
7726-32X-0-AC-F-JP	FP3ZZ7632514A	Dual AC PSUs	Port-to-Power airflow	JP
7726-32X-0-AC-B-JP	FP3ZZ7632515A	Dual AC PSUs	Power-to-Port airflow	JP
7726-32X-0-48V-F	FP3ZZ76320A0A	Dual DC PSUs	Port-to-Power airflow	
7726-32X-0-48V-B	FP3ZZ76320A2A	Dual DC PSUs	Power-to-Port airflow	
YM-2651Y, B01R	F0TZZ5654019A	650W AC Power Supply FRU	Port-to-Power airflow	
YM-2651Y, C01R	F0TZZ5654020A	650W AC Power Supply FRU	Power-to-Port airflow	
FAN-1U-1x1C-F	F0TA06632000A	Fan Module FRU	Port-to-Power airflow	
FAN-1U-1x1C-B2	F0TZZ7632000A	Fan Module FRU	Power-to-Port airflow	
Model Number	Part Number	Description		
7726-32X-SVC-RTF	REWECECWA028Z	AS7726-32X, Annual Hardware Service, Return-to-Factory, after warranty. 3 year warranty included already with the product, maximum 2 additional years per product. FAN and PSU are excluded.		