

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.

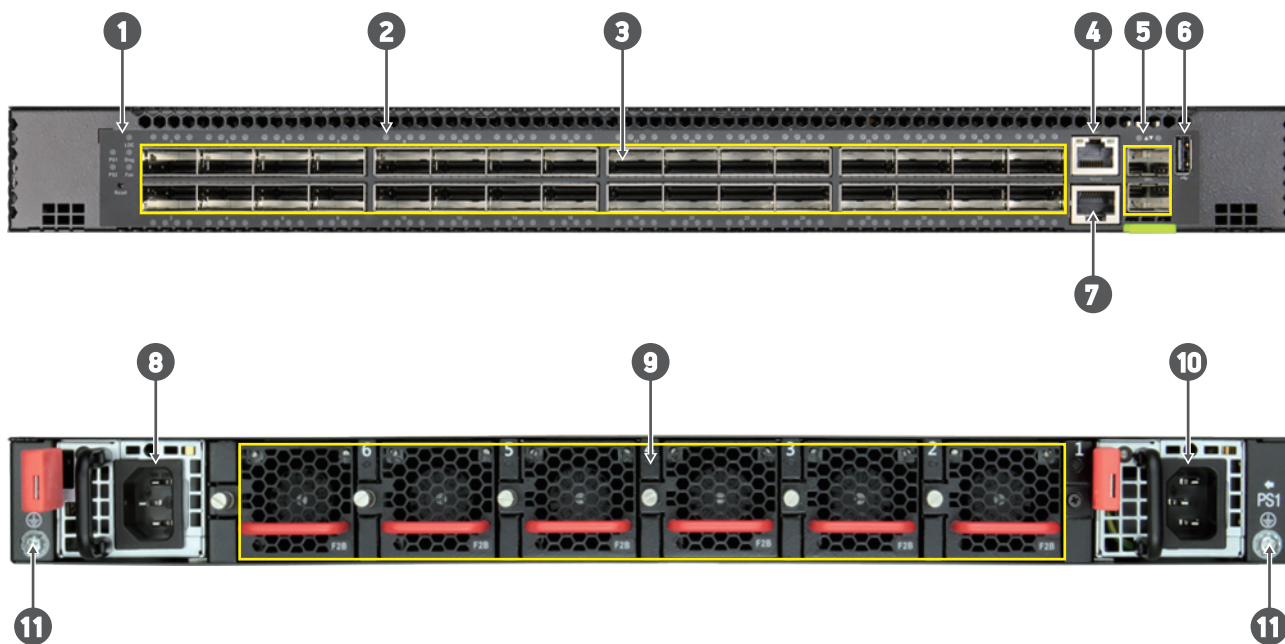
Key Features and Benefits

- 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 3.2 Tbps.
- Supports hot/cold aisle 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 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.





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 40/100G GbE
- Logical Ports: Max. 128
- Port Modes:
 - 1 x 100G (4 lanes 25G NRZ) QSFP28
 - 1 x 40G (4 lanes 10G NRZ) QSFP+
 - 2 x 50G (2 lanes 25G NRZ) QSFP28 breakout
 - 4 x 25G (1 lane 25G NRZ) QSFP28 breakout
 - 4 x 10G (1 lane 10G NRZ) QSFP+ breakout
- 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
- Supported Transceivers and Cables:
 - 40GBASE-SR4/LR4
 - 40G-DAC/AOC Cable
 - 100GBASE-SR4/CWDM4/LR4/ER4/ZR4/PSM4-2/DR1/FR1/LR1
 - 100G-DAC/AOC Cable
 - Note: More optics and detailed cabling information can be found at www.edge-core.com.

Key Components

- Switch Silicon: Broadcom BCM56870 Trident 3
No PHYs
- CPU Modules:
 - Processor: Intel® Xeon® 4-Core
 - SPI Flash: SPI Flash: 16 MB x 2
 - Memory: DDR4: SO-DIMM 8 GB x 2
 - Storage: m2 SSD: 64 GB MLC
 - TPM: TPM1.2

Performance

- Switching Capacity: 3.2 (6.4) Tbps
- Forwarding Rate: 2003.4 Mpps
- Jumbo frames support up to 9416 Bytes
- Packet Buffer Size: 32 MB
- 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
- Fans: Hot-swappable 5+1 redundant fans
- Storage Temperature: -40°C to 70°C (-40°F to 158°F)
- Operating Temperature: 0°C to 45°C (32°F to 113°F)
- Operating Humidity: 5% to 95% non-condensin

Power

- PSUs: 2 redundant, load-sharing, hot-swappable 650W AC or -48 VDC
- AC PCU:
 - AC input range:
100-240 VAC at 50-60 Hz (6A/650 W max.)
 - AC Inlet: IEC 60320 C14
- DC PSU:
 - 48 VDC input ranges:
-36 - -72 VDC (16A/650 W max.)
 - DC Inlet: Positronic PLA03F7000/AA
- Power Draw:
 - Minimum: 149.8 W
 - Typical: 296.73 W
 - Note: Minimum means idle, no transceivers, no traffic. Typical means 32 x 100G SR4 transceivers with 30% traffic loading at 25°C ambient temperature.

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

Regulatory

- Emissions:
 - CE Mark
 - EN55032 Class A
 - AS/NZS CISPR32 Class A
 - EN61000-3-2
 - EN61000-3-3
 - FCC Part 15, Subpart B Class A
 - ICES-003
 - VCCI Class A
 - CCC Class A
 - BSMI Class A
 - KCC
 - Anatel
 - NOM
 - TEC
- Immunity:
 - EN 55024
 - EN 55035
 - EN 300 386
 - IEC 61000-4-2/3/4/5/6/8/11
- Safety:
 - CB
 - UL
 - CCC
 - BSMI
- Environmental: NEBS GR63-CORE (Pre-test)
- RoHS-2.0 Compliant
- Electrical and Electronic Equipment (WEEE Directive 2002/96/EC)
- Country of Origin: Taiwan (TAA Compliant)

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® Processor 4-Core; 32-Port 100G QSFP28; ONIE Software Installer.

Model Number	Part Number	PSU	Airflow	Power Cord
7726-32X-0-AC-F	FP3ZZ7632074A	Dual AC PSUs	Front-to-Back	without power cord
7726-32X-0-AC-B	FP3ZZ7632076A	Dual AC PSUs	Back-to-Front	without power cord
7726-32X-0-AC-F-UN	FP3ZZ76320ATA	Dual AC PSUs	Front-to-Back	IEC 60320 C13-C14
7726-32X-0-AC-B-UN	FP3ZZ76320AUA	Dual AC PSUs	Back-to-Front	IEC 60320 C13-C14
7726-32X-0-AC-F-US	FP3ZZ7632420A	Dual AC PSUs	Front-to-Back	NEMA 5-15 (UL)
7726-32X-0-AC-B-US	FP3ZZ7632421A	Dual AC PSUs	Back-to-Front	NEMA 5-15 (UL)
7726-32X-0-AC-F-EU	FP3ZZ7632214A	Dual AC PSUs	Front-to-Back	IEC 60083 Type E/F (CEE 7/7) EU
7726-32X-0-AC-B-EU	FP3ZZ7632215A	Dual AC PSUs	Back-to-Front	IEC 60083 Type E/F (CEE 7/7) EU
7726-32X-0-AC-F-UK	FP3ZZ7632314A	Dual AC PSUs	Front-to-Back	IEC 60083 Type G (BS 1363) UK
7726-32X-0-AC-B-UK	FP3ZZ7632315A	Dual AC PSUs	Back-to-Front	IEC 60083 Type G (BS 1363) UK
7726-32X-0-AC-F-JP	FP3ZZ7632514A	Dual AC PSUs	Front-to-Back	JIS C 8303, Class I
7726-32X-0-AC-B-JP	FP3ZZ7632515A	Dual AC PSUs	Back-to-Front	JIS C 8303, Class I
7726-32X-0-AC-F-CN	FP3ZZ7632706A	Dual AC PSUs	Front-to-Back	IEC 60083 Type I (GB 2099.1) CN
7726-32X-0-AC-B-CN	FP3ZZ7632707A	Dual AC PSUs	Back-to-Front	IEC 60083 Type I (GB 2099.1) CN
7726-32X-0-AC-F-TW	FP3ZZ7632T00A	Dual AC PSUs	Front-to-Back	NEMA 5-15 (BSMI)
7726-32X-0-AC-B-TW	FP3ZZ7632T01A	Dual AC PSUs	Back-to-Front	NEMA 5-15 (BSMI)
7726-32X-0-48V-F	FP3ZZ76320A0A	Dual DC PSUs	Front-to-Back	without power cord
7726-32X-0-48V-B	FP3ZZ76320A2A	Dual DC PSUs	Back-to-Front	without power cord

PSU FRUs (Power Cord not included)

Model Number	Part Number	PSU	Airflow
PSU-AC-650B-F	F0TZZ5654019A	AC	Front-to-Back
PSU-AC-650B-B	F0TZZ5654020A	AC	Back-to-Front
PSU-AC-650C-F	F0TZZ7656002A	AC	Front-to-Back
PSU-AC-650C-B	F0TZZ7656003A	AC	Back-to-Front
PSU-48V-650-F	F0TZZ7632004A	48VDC	Front-to-Back
PSU-48V-650-B	F0TZZ7632003A	48VDC	Back-to-Front

FAN FRUs

Model Number	Part Number	Airflow
FAN-1U-1x1C-F	F0TA06632000A	Front-to-Back
FAN-1U-1x1C-B2	F0TZZ7632000A	Back-to-Front

Accessories

Model Number	Part Number	Description
RKIT-100G-SLIDE	F0OZZ7632001A	Tool-less Rack Mounting Rail Slide Kit (674 mm - 919 mm ±3 mm)