

Data Center Switch

AS7326-56X



The Edgecore DCS203 switch is a Top-of-Rack (TOR) switch for high-performance data centers. In a compact 1RU form factor, the switch provides line-rate L2 and L3 switching across the 48 x SFP28 + 8 x QSFP28 ports, and each QSFP28 port can be configured as 4 x 25 GbE, 1 x 40 GbE, or 4 x 10 GbE by using DAC breakout cables. The DCS203 can be deployed as a TOR switch supporting 10/25 GbE to servers with 40/100 GbE uplinks. This open network switch is loaded with the Open Network Install Environment (ONIE), which supports the installation of compatible Network Operating System (NOS) software, including the open source plus commercial NOS offerings.

Key Features and Benefits

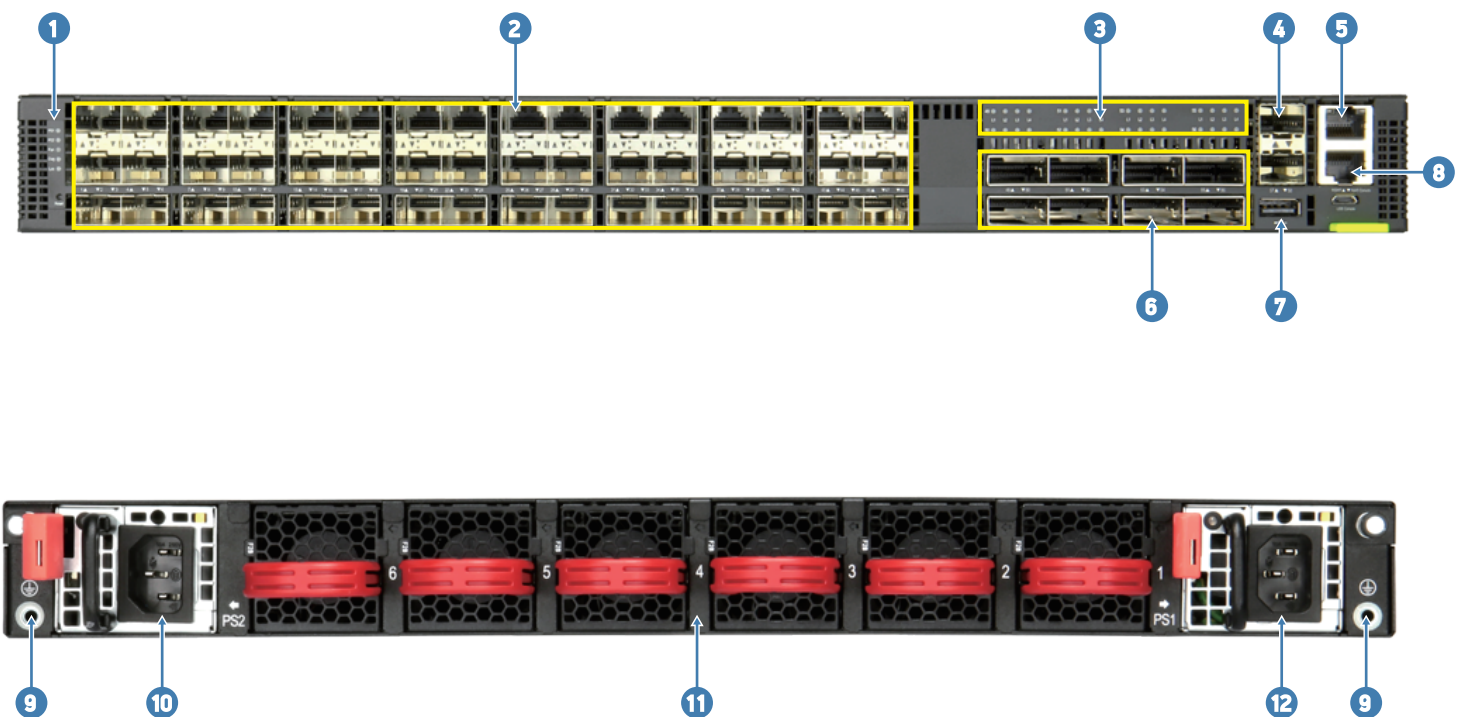
- Cost-effective, open network switch for data center fabric.
- Deploy as Top-of-Rack switch supporting 10 or 25 GbE to servers, with 40 GbE, or 100 GbE uplinks.
- 48 x SFP28 + 8 x QSFP28 switch ports, each QSFP28 supporting 1 x 100 GbE or 1 x 40 GbE, or via breakout cables, 4 x 25 GbE, or 4 x 10 GbE.
- Layer 2 or Layer 3 forwarding of 4 Tbps (full duplex).
- Supports hot/cold aisles 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

onle

Interfaces



Description

1. System LEDs	7. USB storage port
2. 48 x 25G/SFP28 ports	8. Console port
3. Port indicators	9. Grounding point
4. 2 x 10G management ports	10. PSU 2
5. Management port	11. Hot-swappable 5 + 1 redundant fans
6. 8 x 100G/QSFP28 ports	12. PSU 1

Ports

- Switch Ports:
48x25 GbE SFP28 plus 8x100 GbE QSFP28 ports:
Each SFP28 supports 1 x 10 GbE or 25 GbE
Each QSFP28 supports 1 x 40/100 GbE or 4 x 25 GbE or 4 x 10 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-45 100/1000BASE-T management
1 x USB Type A storage

Key Components

- Switch Silicon: Broadcom BCM56873 Trident III 2.0 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 x2
m.2 SSD: 64 GB MLC

Performance

- Switching Capacity: 4 Tbps full duplex
- Forwarding Rate: 2 Bpps
- Jumbo frames support up to 9K 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: 8K min/100 K max. host entries; IPv6/128= 8 K TCAM-only mode

Physical and Environmental

- Dimensions (WxDxH): 43.84 x 53.6 x 4.35 cm (17.26 x 21.1 x 1.71 in.)
- Weight: 10 kg (22.05 lb), with two installed PSUs
- Operating Temperature:
F2B Operating: 0°C to 45°C (32° F to 113° F)
B2F Operating: 0°C to 40°C (32° F to 104° F)
- Storage Temperature: -40°C to 70°C (-40°F to 158°F)
- Operating Humidity: 5% to 95% non-condensing

LEDs

- SFP28 Port LEDs: Link Status, Activity, Rate
- QSFP28 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: 100–240 VAC
- DC input range: -36~-72 VDC
- Redundant, current sharing, PG

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.

Regulatory

- EMI:
CE Mark
EN55032 Class A
EN55024
EN61000-3-2
EN61000-3-3
FCC Title 47, Part 15, Subpart B Class A
VCCI Class A
CCC
BSMI
- Safety:
CB
UL/CUL
CCC
BSMI
- Environmental:
NEBS GR63-CORE (Pre-test)
- RoHS 2.0 Compliant
- Country of Origin: Taiwan (TAA 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: AS7326-56X; Intel® Xeon® D-1518 Processor; 48-25G SFP28 + 8-Port 100G QSFP28; ONIE software installer.

Model Number	Part Number	PSU	Airflow	Region (power cord)
7326-56X-0-AC-F-US	FP4ZZ7656402A	Dual AC PSUs	Port-to-Power airflow	N. America
7326-56X-0-AC-B-US	FP4ZZ7656403A	Dual AC PSUs	Power-to-Port airflow	N. America
7326-56X-0-AC-F-EU	FP4ZZ7656200A	Dual AC PSUs	Port-to-Power airflow	EU
7326-56X-0-AC-B-EU	FP4ZZ7656201A	Dual AC PSUs	Power-to-Port airflow	EU
7326-56X-0-AC-F-UK	FP4ZZ7656300A	Dual AC PSUs	Port-to-Power airflow	UK
7326-56X-0-AC-B-UK	FP4ZZ7656301A	Dual AC PSUs	Power-to-Port airflow	UK
7326-56X-0-AC-F-JP	FP4ZZ7656500A	Dual AC PSUs	Port-to-Power airflow	JP
7326-56X-0-AC-B-JP	FP4ZZ7656501A	Dual AC PSUs	Power-to-Port airflow	JP
7326-56X-0-48V-F	FP4ZZ7656011A	Dual DC PSUs	Port-to-Power airflow	
7326-56X-0-48V-B	FP4ZZ7656013A	Dual DC PSUs	Power-to-Port airflow	
YM-2651Y, B01R	F0TZZ5654019A	650 W AC Power Supply FRU	Port-to-Power airflow	
YM-2651Y, C01R	F0TZZ5654020A	650 W AC Power Supply FRU	Power-to-Port airflow	
FAN-1U-1x1I-F	F0TZZ7656000A	Fan Module FRU	Port-to-Power airflow	
FAN-1U-1x1I-B	F0TZZ7656001A	Fan Module FRU	Power-to-Port airflow	
Model Number	Part Number	Description		
7326-56X-SVC-RTF	REWECECWA016Z	AS7326-56X, Annual Hardware Service, Return-to-Factory, after warranty. 3 year warranty included already with the product, maximum 2 additional years per product.		