

Enterprise Switch

AS4224-52P



The Edgecore EPS101 switch meets the high-performance, availability, and network-scaling requirements of enterprise and cloud data centers. The EPS101 includes 48 10/100/1000BASE-T ports and 4 x 10G SFP+ uplink ports, with the 48 10/100/1000BASE-T ports fully supporting IEEE 802.3at and IEEE 802.3af Power-over-Ethernet (PoE).

Key Features and Benefits

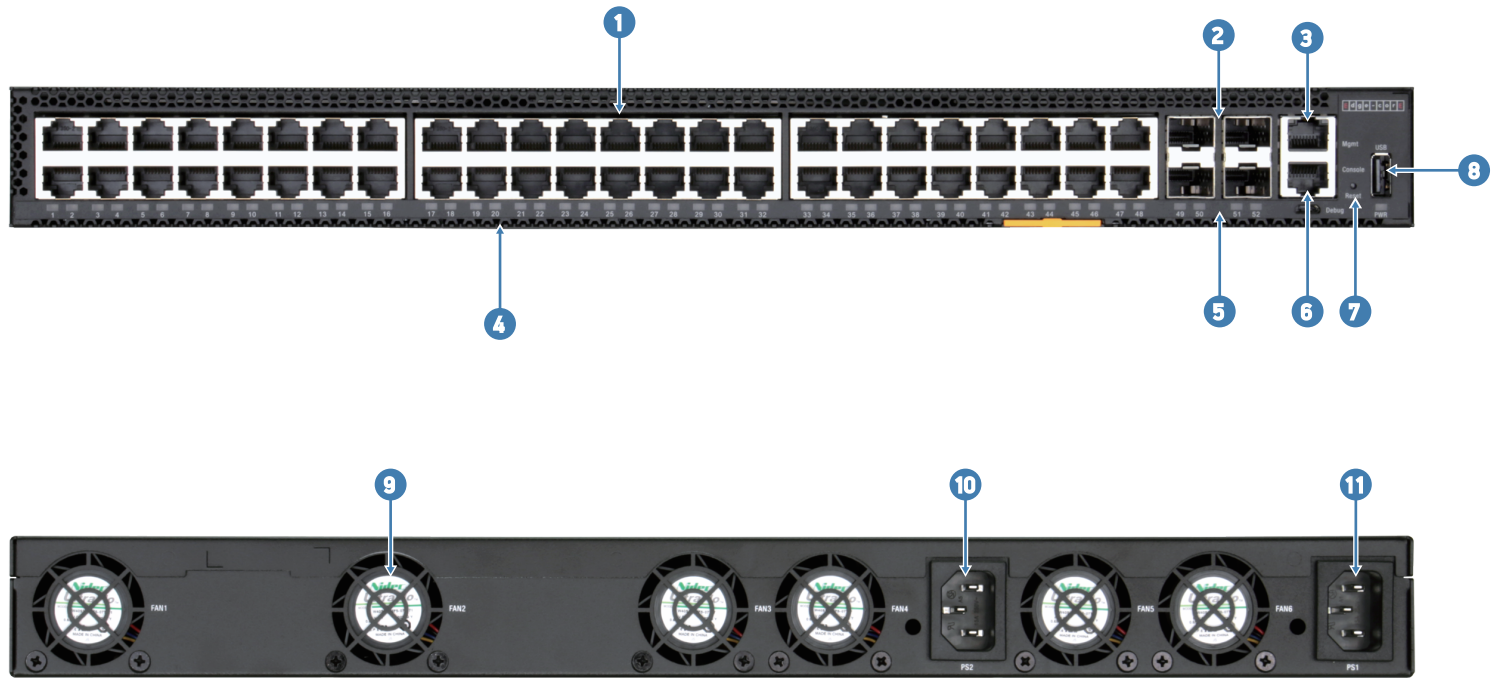
- Cost-effective, open network switch for data center fabric.
- 4 x SFP+ switch ports, supporting 10 GbE (10GBASE-SR/LR) or 1 GbE (SX/LX)
- Rack mountable in standard 19" racks
- Supports front-to-back airflow
- All ports on front; PSUs, fans on rear
- Load sharing, redundant AC PSUs
- 5+1 fixed redundant fans
- Management: Ethernet and console RJ-45 ports; USB storage port
- Hardware switch pre-loaded with Open Network Install Environment (ONIE)
- Support operating system (dentOS open source community)
- Switch Capacity: 176 Gbps
- Forwarding Rate: 130 Mpps
- Max MAC Address: 32K



Software Supported



Interfaces



Description

1. 1000BASE-T ports with PoE	7. Reset button
2. 10G SFP+ ports	8. USB storage port
3. Management port	9. 5 + 1 redundant fans
4. 1000BASE-T port indicators	10. AC power 2
5. 10G SFP+ port indicator	11. AC power 1
6. Console port	

Ports

- Switch Ports: 48 x 1000BASE-T ports with PoE, 4 x 10G SFP+
- Management Ports on Front Panel:
 - 1 x RJ-45 serial console
 - 1 x RJ-45 100/1000BASE-T management
 - 1 x USB Type A storage port

Key Components

- Switch Silicon: Marvell 98DX3265 x2
- CPU Modules:
 - Marvell 88F7040 (main CPU)
 - Marvell 88F6820 (2nd CPU)
 - DRAM 8GB (main CPU)
 - 2GB (2nd CPU) DDR4 SDRAM
 - SSD 32GB M.2 SATA SSD (main CPU)
 - NOR Flash 16MB (main & 2nd CPU)
 - NAND Flash 1GB (2nd CPU)

Physical and Environmental

- Dimensions (WxDxH): 440 x 501 x 44 mm
- Weight: 7.84 kg (17.28 lb)
- 5+1 fixed redundant fan modules
- 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

LEDs

- Mgmt (1G RJ-45 Port) Speed:
 - Green (10M 1 blink, 100M 2 blinks, 1000M 3 blinks)
- Mgmt (1G RJ-45 Port) Link :
 - Green (link/activity), Amber (PoE link)
- PWR:
 - Green (OK)
 - Orange Blink (one AC power connected)
- SFP+ 10G Ports: Green (1G), Orange (10G)

Software

- Switch is loaded with Open Network Install Environment (ONIE)
- Compatible with the following NOS options: DENT

Power

- Input Power Rating:
 - 100-240 VAC, 50-60Hz, 13.5 A max
 - 190-250 VDC, 6.5 A max
- Power Consumption: 950 Watts maximum

Regulatory

- Emissions:
 - EN 55032 Class B
 - EN 61000-3-2/3
 - FCC Class B
 - VCCI Class B
 - AS/NZS Class B
- Immunity:
 - EN 55024
 - IEC 61000-4-2/3/4/5/6/8/11
 - EN 55035
- Safety:
 - UL/CSA
 - CB
- RoHS Compliant
- 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: AS4224-52P; Marvell 88F7040 ARM CPU; 48 GE RJ45 PoE + 4 10G SFP+; with ONIE software Installer.

Model Number	Part Number	PSU	Airflow	Region (power cord)
AS4224-52P-O-AC-F-EC-US	F0LEC4224402Z-C	AC	Front to Back	N. America
AS4224-52P-O-AC-F-EC-EU	F0LEC4224202Z-C	AC	Front to Back	EU
AS4224-52P-O-AC-F-EC-UK	F0LEC4224302Z-C	AC	Front to Back	UK
AS4224-52P-O-AC-F-EC-JP	F0LEC4224502Z-C	AC	Front to Back	JP
AS4224-52P-O-AC-F-EC-TW	F0LEC4224T02Z-C	AC	Front to Back	TW