Enterprise Switch
AS5114-48X

The Edgecore EPS300 switch meets the high-performance, availability, and network-scaling requirements of enterprise and cloud data centers. The EPS300 provides full line-rate switching at Layer 2 or Layer 3 across 48 x 10 GbE ports. The switch can be deployed as a Top-of-Rack switch and is rack mountable in a standard 19-inch rack. The EPS300 hardware provides the high-availability features required for data center operation, with 4+1 fixed redundant fans and dual redundant, load-sharing, AC power supplies.
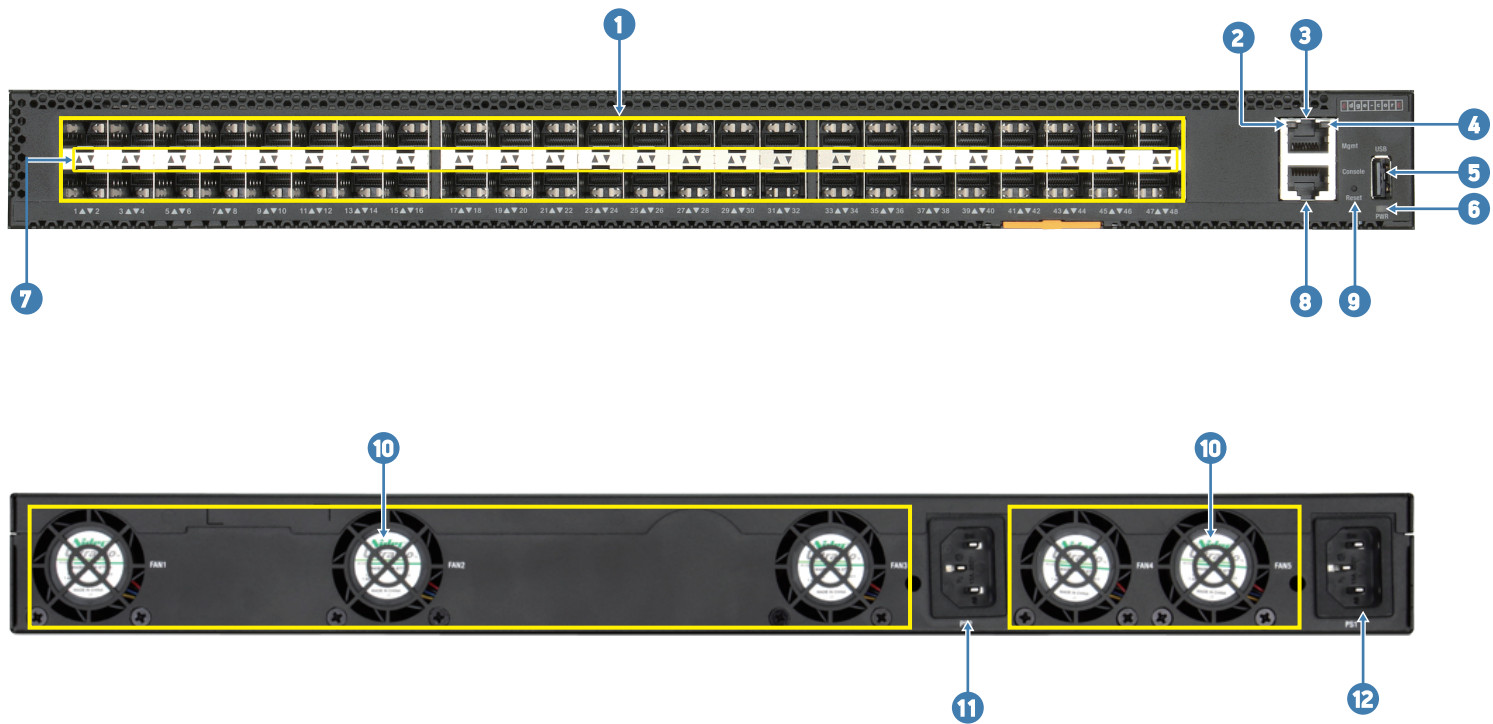
Key Features and Benefits

- Cost-effective, open network switch infrastructure for data center fabric.
- 48 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.
- 4+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: 960 Gbps
- Forwarding Rate: 714 Mpps

OPEN
PLATINUM

OPEN
Compute Project
SOLUTION PROVIDER

Freedom
of choice

Greater
control

Rapid
innovation

Reduced
CAPEX and OPEX

Software Supported

onie DENT

Interfaces

Description

1.	10G SFP+ ports	7.	SFP+ 10G port indicators
2.	Management port speed indicator	8.	Console port
3.	Management port	9.	Reset button
4.	Management port link indicator	10.	4 + 1 redundant fans
5.	USB storage port	11.	PSU 2
6.	Power indicator	12.	PSU 1

Ports
- Switch Ports:
  48 x SFP+ each supporting 10GbE
- 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 Aldrin2 98DX8448
- CPU Modules:
  Marvel 88F7040 (main CPU)
  Marvel 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 44mm
- Weight: 7.175 kg
- 4+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 Speed: Green (10M 1 blink, 100M 2 blinks, 1000M 3 blinks)
- Mgmt Link: Green (link/activity)
- 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, 4.5 A max
  190-250 VDC, 2.5 A max
- Power Consumption: 258 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.

Ordering Information

Base model: AS5114-48X with ONIE software Installer.

Model Number	CPU Module	PSU	Airflow	Region (power cord)
AS5114-48X-O-AC-F-EC-US	98DX8448	AC	Front to Back	N. America
AS5114-48X-O-AC-F-EC-EU	98DX8448	AC	Front to Back	EU
AS5114-48X-O-AC-F-EC-UK	98DX8448	AC	Front to Back	UK
AS5114-48X-O-AC-F-EC-JP	98DX8448	AC	Front to Back	JP