

# ENTERPRISE SWITCH

AS4625-30P



The Edgecore EPS112 is a cost-effective, high-performance Gigabit Ethernet L2/L3 PoE switch featuring 30 ports; 24 x 10/100/1000BASE-T ports and 6 x 1G/10G SFP+ uplink ports. Ports 1 to 16 (10/100/1000BASE-T) fully support IEEE 802.3at and IEEE 802.3af Power-over-Ethernet (PoE) up to 30 W, and ports 17 to 24 (10/100/1000BASE-T) fully support IEEE 802.3bt Type 4 up to 90 W.

The EPS112 is ideal as an access PoE switch for enterprise or campus access networks. The switch includes redundant, hot-swappable AC PSUs and fixed 2+1 redundant fans with front-to-back airflow, and an ability to provide 8 ports with up to 90 Watts of power per port (depending on the PoE power budget) to attached devices, such as VoIP phones, wireless Wi-Fi 6/7 access points, surveillance cameras etc, fully utilizing the existing Cat. 5/5e/6 cable infrastructure. 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 options and commercial NOS offerings.

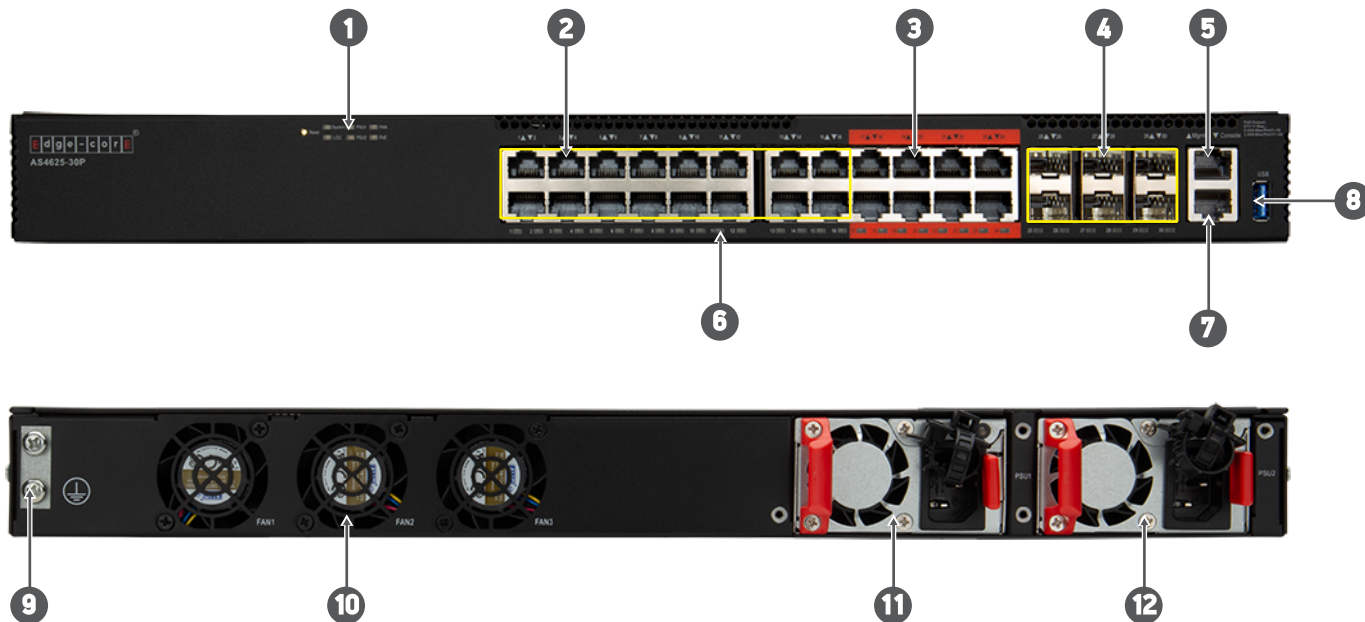
## Key Features and Benefits

- Easy-to-use entry level open networking switch with PoE capability, ideal for enterprise and campus access networking.
- Fully utilizing the existing Cat. 5/5e/6 cable infrastructure (90 W requires Cat6A Cabling).
- Full line-rate L2/L3 forwarding and switching.
- PoE capability able to power up enterprise, hospital, warehouse, and retail environments by connecting to security devices, Wi-Fi 6/7 access points, IP phones, and IP cameras.
- 24 x 10/100/1000BASE-T RJ-45 ports.
- 6 x SFP+ uplink ports supporting 1GE/10GE.
- Ports 1 to 16 up to 30 W per-port.
- Ports 17 to 24 up to 90 W per-port.
- Intel® Atom® COMe module with C3558R 4-Core 2.4GHz x86 processor.
- Support TPM 2.0 with PQc capability.
- Options to enable UEFI Secure Boot.
- Hot-swappable, load-sharing, redundant AC PSUs.
- Fixed 2+1 redundant fans.
- Hardware switch pre-loaded with Open Network Install Environment (ONIE) for automated loading of compatible open source options and commercial NOS offerings





## Interfaces



### Description

- |  |   |
|--|---|
| 1. System LEDs   | 7. Console port                                   |
| 2. 16 x 10/100/1000BASE-T RJ-45 ports with 30 W per port | 8. Type A USB 3.0 storage port                    |
| 3. 8 x 10/100/1000BASE-T RJ-45 ports with 90 W per port  | 9. Grounding point                                |
| 4. 6 x 1G/10G SFP+ ports                                 | 10. Fixed 2 + 1 redundant fans (FAN1, FAN2, FAN3) |
| 5. Management port                                       | 11. PSU 1: 600 W                                  |
| 6. Port indicators                                       | 12. PSU 2: 600 W                                  |

## Ports

- Switch Ports:
  - 24 x 10/100/1000BASE-T RJ-45 ports
  - 6 x 1G/10G SFP+ uplink ports
- Management Ports:
  - 1 x RJ-45 serial console
  - 1 x RJ-45 100/1000BASE-T management port
  - 1 x Type A USB 3.0 storage port
- Supported Transceivers and Cables:
  - 1G SX to 1G ZX
  - 1G BIDI up to 40 KM
  - 10G SR to 10G ZR
  - 10G BIDI up to 10KM
  - 10G tunable laser DWDM up to 80 KM
- Note: More optics and detailed cabling information can be found at [www.edge-core.com](http://www.edge-core.com).

## Key Components

- Switch Silicon: Broadcom BCM56276 Trident III 106 Gpbs
- CPU: Intel® Atom® COMe module with C3558R 4-Core 2.4 GHz x86 processor
- DDR4: 16 GB x 1 SO-DIMM
- SPI Flash: 16 Mb x 2
- m.2 SSD: iSLC M.2 SATA 128GB SSD with PLP

## Performance

- Switching Capacity: 84 Gpbs (168 Gpbs)
- Forwarding Rate: 124.992 Mpps
- MAC Addresses: 64K
- VLAN IDs: 4K
- VLAN Translation: 4K Ingress/2K Egress
- Jumbo Frames: Up to 12,288 bytes
- Packet Buffer Size: 4 MB Integrated packet buffer memory
- LAG (802.3ad): 128 LAG Groups, with a total 256 members, with a maximum of 8 members per groups
- VRF: 1K
- L3 Hosts: IPv4 32K or IPv6: 16K
- L3 Multicast Groups 4K IPMC Groups
- ECMP: 256 groups with a total of 1024 members, maximum 64 members per group

## LEDs

- GE RJ-45 SFP+ Port LEDs: Link Status, Activity
- SFP+ Port LEDs: Port LEDs: Link Speed, Link Status, Activity
- Ethernet Management Port LED: Link Status, Activity
- System LEDs: System, PSU1, PSU2, FAN, PoE, LOC

## Physical and Environmental

- Dimensions (WxDxH): 44 x 35.03 x 4.4cm (17.32 x 13.79 x 1.73 in)
- Weight: 6.42 kg
- Operating Temperature: 0°C to 45°C (32°F to 113°F) at sealevel
- 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.

## Power

- PSUs: 2 pcs 1+1 redundant, load-sharing, hot-swappable 600 W AC (80Plus Platinum compliant)
- Input Voltage/Current:
  - Low-line: 8.5 A for 90 VAC~136 VAC
  - High-line: 4.5A for 180 VAC~264 VAC
- Maximum Power Consumption
  - Low-line: 1150 Watts
  - High-line: 1200 Watts
- PoE Budget
  - 450 W for 1 PSU/1000 W for 2 PSU
  - Note: AC PSUs are redundant in terms of system and networking, but not fully redundant in terms of PoE functions and the power budget.

## Regulatory

- EMC:
  - EN 55032
  - EN 61000-3-2
  - EN 61000-3-3
  - FCC Title 47, Part 15, Subpart B, Class A
  - VCCI-CISPR 32
  - BSMI Class A
  - IECS-003 Issue 7
  - AS/NZS CISPR 32
  - KS C 9832
  - EN 55024/EN 55035
  - KS C 9835
  - IEC 61000-4-2/3/4/5/6/8/11
- Safety:
  - UL (CSA 22.2 No 62368-1 @ UL 62368-1)
  - CB (IEC/EN 62368-1, 2nd @ 3rd Ed)
  - BSMI CNS 15598-1
- RoHS CNS 15663

## Warranty

Please check [www.edge-core.com](http://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](http://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](http://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: AS4625-30P; Intel® Atom® processor C3558R 4-core COMe module Type 7; 16 x 1G BASE-T with 30 W PoE + 6 x 1G BASE-T with 90 W PoE downlink + 6 x 10G SFP+ uplink; ONIE software installer.**

Model Number	Part Number	PSU	Airflow	Region (Power Cord)
AS4625-30P-O-AC-F	FOPEC4630008Z	Dual AC PSUs	front-to-back airflow	
AS4625-30P-O-AC-F-US	FOPEC4630404Z	Dual AC PSUs	front-to-back airflow	N. America
AS4625-30P-O-AC-F-EU	FOPEC4630204Z	Dual AC PSUs	front-to-back airflow	UK
AS4625-30P-O-AC-F-JP	FOPEC4630504Z	Dual AC PSUs	front-to-back airflow	JP
AS4625-30P-O-AC-F-TW	FOPEC4630T01Z	Dual AC PSUs	front-to-back airflow	EU
AS4625-30P-O-AC-F-UK	FOPEC4630304Z	Dual AC PSUs	front-to-back airflow	CN
AS4625-30P-O-AC-F-CN	FOPEC4630701Z	Dual AC PSUs	front-to-back airflow	TW
AS4625-30P-O-AC-F-UN	FOPEC4630009Z	Dual AC PSUs	front-to-back airflow	UN

PSU Model Number	Part Number	Product Description
UP6001R-1079G	F0TEC4630003Z	600 W AC Power Supply (UMEC), front-to-rear air-flow, 1 Year Warranty (for EPS112/AS4625-30P). Inlet Connector: IEC 60320 C14.

Accessories Model Number	Part Number	Product Description
RKIT-L-4625	F0TEC4630001Z	Rack mount kit (front and back) (for EPS100/AS4625 series).