ENTERPRISE SWITCH
AS4625-54P

The Edgecore EPS122 is a cost-effective, high-performance Gigabit Ethernet L2 PoE switch featuring 54 ports; 48 x 10/100/1000BASE-T ports and 6 x 1G/10G SFP+ uplink ports. Ports 1 to 40 (10/100/1000BASE-T) fully support IEEE 802.3at and IEEE 802.3bt Power-over-Ethernet (PoE) up to 30 W, and ports 41 to 48 (10/100/1000BASE-T) fully support IEEE 802.3at and IEEE 802.3bt Type 4 up to 90 W.

The EPS122 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 port-to-power 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 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, plus 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 access points, IP phones, and IP cameras.
- 48 x 10/100/1000BASE-T RJ-45 ports.
- 6 x SFP+ uplink ports supporting 1GE/10GE.
- Ports 1 to 40 up to 30 W per-port.
- Ports 41 to 48 up to 90 W per-port.
- Intel® Atom® COMe module with C3508 4-Core 1.6GHz x86 processor.
- Support TPM 2.0 with SPI Interface.
- Options to enable UEFI Secure Boot.
- Full line-rate L2/L3 forwarding and switching.
- 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
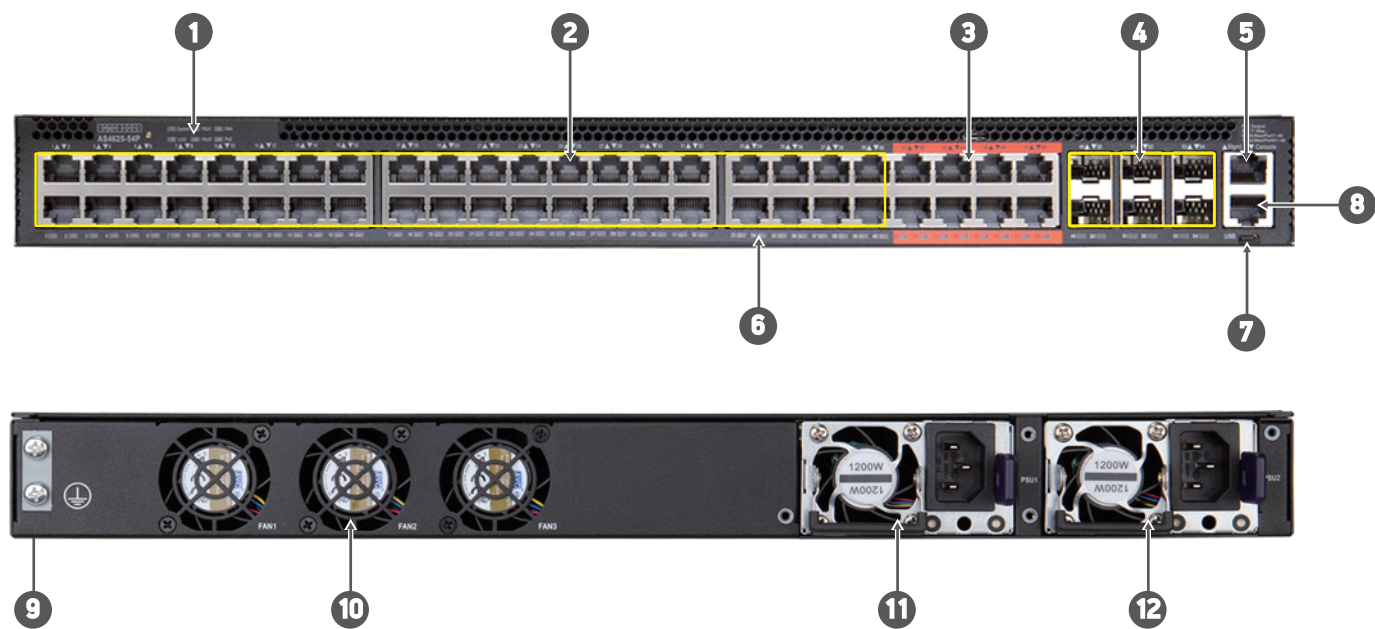
Freedom of choice

Greater control

Rapid innovation

Reduced CAPEX and OPEX

Free Software Included

onie

Interfaces

Description

1.	System LEDs	7.	Micro-USB storage port
2.	40 x 10/100/1000BASE-T RJ-45 ports with 30 W per port	8.	Console 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: 1200 W
6.	Port indicators	12.	PSU 2: 1200 W

Ports

- Switch Ports:
  48 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 Micro-USB 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.

Key Components

- Switch Silicon: Broadcom BCM56277 Trident III 130 Gpbs
- CPU: Intel® Atom® COMe module with C3508 4-Core 1.6 GHz x86 processor
- DDR4: 8 GB x 1 SO-DIMM
- SPI Flash: 16 Mb x 2
- m.2 SSD: 32 GB MLC

Performance

- Switching Capacity: 108 Gpbs
- Forwarding Rate: 61.6 Mpps
- MAC Addresses: 64K min./112K max.
- 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:
  54P F2B: 6.74 kg unit with 2 PSU/packaged 8.44 kg
- 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 90% 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 1200 W AC (80Plus Platinum compliant)
- Input Voltage / Current:
  Low-line: 18.5A for 90VAC~136VAC
  High-line: 22.02A for 180VAC~264VAC
- Maximum Power Consumption
  Low-line: 2000 Watts
  High-line: 2400 Watts
- PoE Budget (with 30 W Guard Band)
  Low-line: 850 W for 1 PSU/1850 W for 2 PSU
  High-line: 1050 W for 1 PSU/2250 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

- EMI:
  EN55032 Class A
  EN55024
  EN55035
  EN61000-3-2
  EN61000-3-3
- FCC Part 15, Subpart B Class A
- VCCI Class A
- CCC
- BSMI 13438
- Safety
  CB
  UL
  CCC
  BSMI 14336-1
  RoHS-2.0 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: AS4625-54P; Intel® Atom® processor C3508 4-Core COMe module Type 7; 40 x 1G BASE-T with 30 W PoE + 8 x1G BASE-T with 90 W PoE downlink + 6 x 10G SFP+ uplink; ONIE Software Installer.

Model Number	Part Number	PSU	Airflow	Region (Power Cord)
AS4625-54P-O-AC-F	F0PEC4654029A	Dual AC PSUs	Port-to-Power Airflow	
AS4625-54P-O-AC-F-EU	F0PEC4654205A	Dual AC PSUs	Port-to-Power Airflow	EU
AS4625-54P-O-AC-F-UK	F0PEC4654305A	Dual AC PSUs	Port-to-Power Airflow	UK
AS4625-54P-O-AC-F-US	F0PEC4654411A	Dual AC PSUs	Port-to-Power Airflow	N. America
AS4625-54P-O-AC-F-JP	F0PEC4654507A	Dual AC PSUs	Port-to-Power Airflow	JP
AS4625-54P-O-AC-F-TW	F0PEC4654T01A	Dual AC PSUs	Port-to-Power Airflow	TW

PSU Model Number	Part Number	Product Description
UP1K21R-1085G	F0TEC4654012A-C	1200W PSU for 4625-54P

Sliding Rail Model Number	Part Number	Product Description
RKIT-1G-SLIDE	F00EC4654002A	Tool-less mounting rail slide kit for 4625 series (4625-54T and 4625-54P)

Warranty Ordering Information		
4625-54P-SVC-RTF	REWEC4625002Z	AS4625-54P, Additional one year hardware warranty, return to factory. Maximum of 5 years hardware warranty allowed per product, 3 years hardware warranty already included with product, a maximum of two additional years of hardware warranty can be purchased with this SKU. Fan and PSU modules are excluded.