

# ENTERPRISE SWITCH

## AS4625-54T



The Edgecore EPS121 is an easy-to-use Gigabit Ethernet L2 switch featuring 54 ports; 48 x 10/100/1000BASE-T ports and 6 x 1G/10G SFP+ uplink ports.

The EPS121 is ideal as a management switch in data center networking, enterprise access networking, and campus access networking. The switch includes redundant, hot-swappable AC PSUs and fixed 2+1 redundant fans with front-to-back airflow or back-to-front airflow. 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.

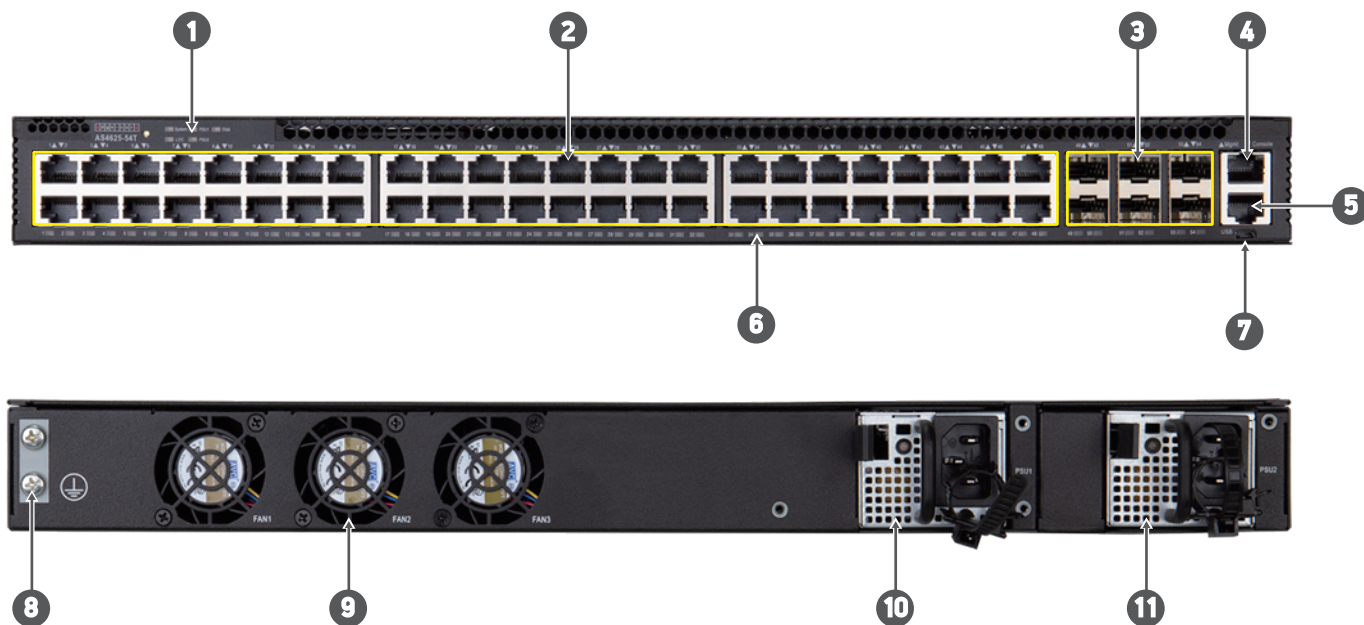
## Key Features and Benefits

- Easy-to-use entry-level open networking switch for management in data center racks, or for enterprise or campus access networks.
- 1GbE connections to server node and storage node management ports in rack, with uplinks to management network aggregation switches.
- 48 x 10/100/1000BASE-T RJ-45 ports.
- 6 x SFP+ uplink ports supporting 1GE/10GE.
- 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 and commercial NOS offerings.





## Interfaces



### Description

- |                                       |  |
|---------------------------------------|--|
| 1. System LEDs                        | 7. Micro-USB storage port                        |
| 2. 48 x 10/100/1000BASE-T RJ-45 ports | 8. Grounding point                               |
| 3. 6 x 1G/10G SFP+ ports              | 9. Fixed 2 + 1 redundant fans (FAN1, FAN2, FAN3) |
| 4. Management port                    | 10. PSU 1: 150 W                                 |
| 5. Console port                       | 11. PSU 2: 150 W                                 |
| 6. Port indicators                    |  |

## 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 40KM
  - 10G SR to 10G ZR
  - 10G BIDI up to 10KM
  - 10G tunable laser DWDM up to 80KM
  - 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 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
- TPM 2.0: SLB 9670XQ2.0 FW7.63 INFINEON

## Performance

- Switching Capacity: 108 Gpbs (216 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
- 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:
  - 54T F2B: 5.8 kg unit with 2 PSU/packaged 7.5 kg
  - 54T B2F: 5.765 kg unit with 2 PSU/packaged 7.465 kg
- Operating Temperature: 0°C to 45°C (32°F to 113°F) at 6000 ft
- 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: 2pcs 1+1 redundant, load-sharing, hot-swappable 150 W AC (80Plus Platinum compliant)
- Input Voltage: 100 to 240 VAC at 50-60 Hz
- Maximum Power Consumption:
  - 54T-F: 90.4 W
  - 54T-B: 93.5 W
- Typical Power Consumption (no optics):
  - 54T-F: 33.5 W
  - 54T-B: 37.1 W

## 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: AS4625-54T; Intel® Atom® processor C3508 4-core COMe module Type 7; 48 x 1G RJ45 + 6 x 1G/10G SFP+; ONIE software installer.**

Model Number	Part Number	PSU	Airflow	Region (Power Cord)
AS4625-54T-O-AC-B	F0PEC4654031A	Dual AC PSUs	Back-to-Front Airflow	
AS4625-54T-O-AC-F	F0PEC4654030A	Dual AC PSUs	Front-to-Back Airflow	
AS4625-54T-O-AC-B-EU	F0PEC4654206A	Dual AC PSUs	Back-to-Front Airflow	EU
AS4625-54T-O-AC-F-EU	F0PEC4654207A	Dual AC PSUs	Front-to-Back Airflow	EU
AS4625-54T-O-AC-B-UK	F0PEC4654306A	Dual AC PSUs	Back-to-Front Airflow	UK
AS4625-54T-O-AC-F-UK	F0PEC4654307A	Dual AC PSUs	Front-to-Back Airflow	UK
AS4625-54T-O-AC-B-US	F0PEC4654412A	Dual AC PSUs	Back-to-Front Airflow	N. America
AS4625-54T-O-AC-F-US	F0PEC4654413A	Dual AC PSUs	Front-to-Back Airflow	N. America
AS4625-54T-O-AC-B-JP	F0PEC4654508A	Dual AC PSUs	Back-to-Front Airflow	JP
AS4625-54T-O-AC-F-JP	F0PEC4654509A	Dual AC PSUs	Front-to-Back Airflow	JP
AS4625-54T-O-AC-B-TW	F0PEC4654T02A	Dual AC PSUs	Back-to-Front Airflow	TW
AS4625-54T-O-AC-F-TW	F0PEC4654T03A	Dual AC PSUs	Front-to-Back Airflow	TW
AS4625-54T-O-AC-B-UN	F0PEC4654045A	Dual AC PSUs	Back-to-Front Airflow	UN
AS4625-54P-O-AC-F-UN	F0PEC4654043A	Dual AC PSUs	Front-to-Back Airflow	UN

PSU Model Number	Part Number	Product Description
UPD1501SA-1279G	F0TEC4654013A-C	150 W PSU for 4625-54T with Back-to-Front airflow
UPD1501SA-1179G	F0TEC4654014A-C	150 W PSU for 4625-54T with Front-to-Back airflow

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