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 port-to-power airflow or power-to-port 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, plus commercial NOS offerings.

Key Features and Benefits

- Easy to use entry-level open networking switch for management in data center racks, and 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.
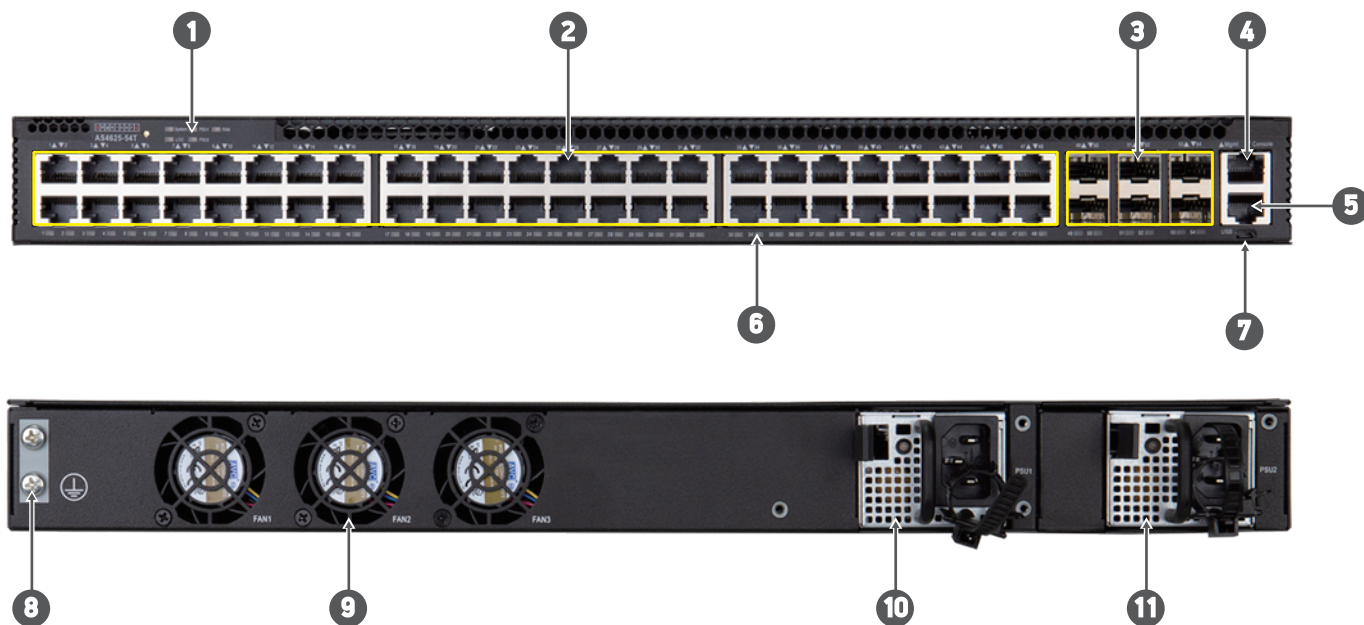
Freedom of choice   **Greater control**   **Rapid innovation**   **Reduced CAPEX and OPEX**

Free Software Included

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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.

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

- Switchibg 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
- 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)
- 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 150W AC (80Plus Platinum compliant)
- Input Voltage: 100 to 240 VAC at 50-60 Hz
- Maximum Power Consumption: 150 W

Regulatory

- EN 55032 Class A
- EN 61000-3-2
- EN 61000-3-3
- FCC Class A
- VCCI Class A
- CCC GB 9254-2008, Class A
- BSMI Class A, CNS 13438
- IEC 61000-4-2/3/4/5/6/8/11
- EN 55024
- EN 55035
- UL (UL 62368-1 and CSA C22.2 No. 62368-1)
- CB (IEC/EN 60950-1, IEC/EN 62368-1)
- CCC GB4943.1-2011
- BSMI, CNS 14336-1

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: AS4625-54T; Intel® Atom® processor C3508 4-Core COMe module Type 7; 48 x 1G RJ45 + 6 x 1G/10G SFP+ with ONIE Software Installer.

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