

Enterprise Switch

AS4630-54TE



The Edgecore EPS201 is a high-performance Gigabit Ethernet L2/L3 switch featuring 54 ports; 48 x 10/100/1000BASE-T ports, 4x10G/25G SFP28 uplink ports, and 2 x 100G QSFP28 stacking ports (stacking capability subject to NOS implementations).

The EPS201 is ideal as a management switch in data center networking, enterprise access networking, or campus access networking. The switch includes redundant, hot-swappable AC PSUs and 2+1 redundant fan modules 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

- Cost-effective open networking switch for management in data center racks, or for enterprise access networks.
- 1GbE connections to server node and storage node management ports in rack, with 25GbE uplinks to management network aggregation switches.
- 48 x 10/100/1000BASE-T RJ-45 ports.
- 4 x 25G SFP28 uplink ports supporting 10GbE/25GbE.
- 2 x 100G QSFP28 stacking ports (Subject to NOS implementation).
- Support TPM 1.2 with LPC interface.
- Options to enable UEFI Secure Boot.
- Full line-rate L2 or L3 forwarding and switching.
- Hot-swappable, load-sharing, redundant AC PSUs.
- 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

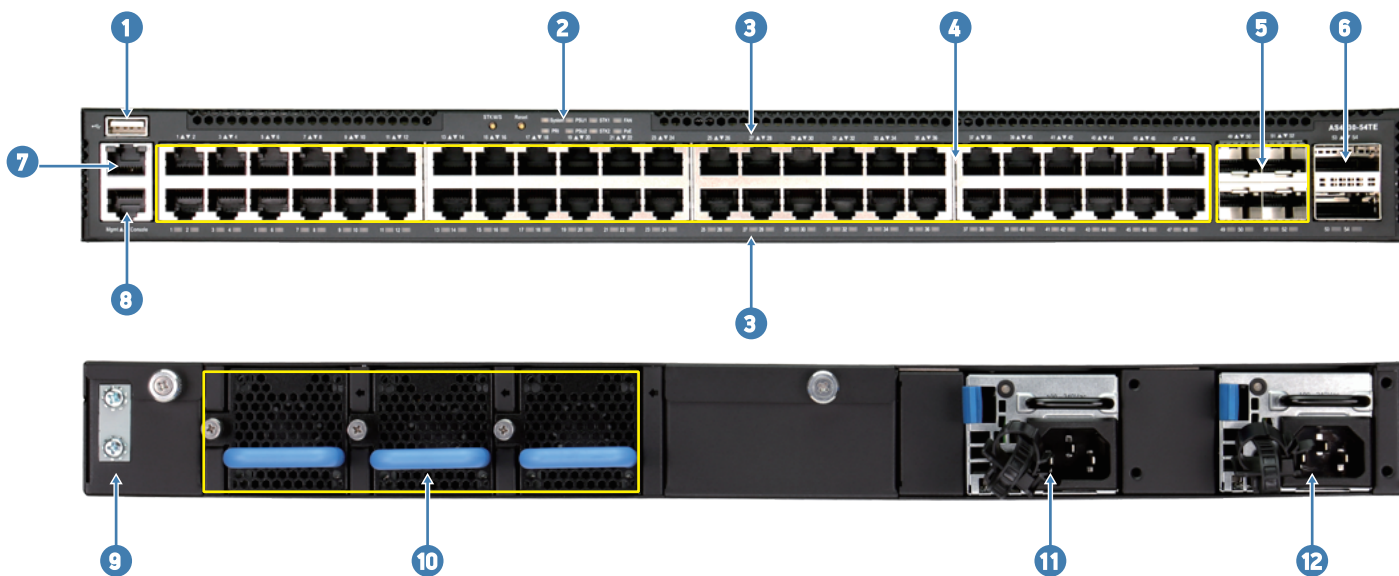


Reduced
CAPEX and OPEX

Free Software Included



Interfaces



Description

| | |
|---------------------------------------|--|
| 1. USB storage port | 7. Management port |
| 2. System LEDs | 8. Console port |
| 3. Port indicators | 9. Grounding point |
| 4. 48 x 10/100/1000BASE-T RJ-45 ports | 10. Hot-swappable 2 + 1 redundant fans |
| 5. 4 x 10G/25G SFP28 ports | 11. PSU 2 |
| 6. 2 x 100G QSFP28 stacking ports | 12. PSU 1 |

Ports

- Switch Ports:
 - 48 x 10/100/1000BASE-T RJ-45 ports
 - 4 x 10G/25G SFP28 uplink ports
 - 2 x 100G QSFP28 stacking ports (requires NOS to support hardware stacking feature)
 - Note: When a DAC cable is used in a topology, a link issue may be encountered if the CR4 Auto-Negotiation/Link Training does not turn on. This can be solved by manually enabling CR4 Auto Negotiation/Link Training.
- Management Ports:
 - 1 x RJ-45 serial console
 - 1 x RJ-45 100/1000BASE-T management port
 - 1 x Type-A USB storage port
- Supported Transceivers and Cables:
 - 10GBASE-RJ-45
 - 10G-DAC/AOC Cable
 - 25GBASE-SR/LR
 - 25G-DAC/AOC Cable
 - 40GBASE-SR4/LR4
 - 40G-DAC/AOC Cable
 - 100GBASE-SR4/CWDM4/LR4
 - 100G-DAC/AOC Cable
 - Note: More optics and detailed cabling information can be found at www.edge-core.com.

Key Components

- Switch Silicon: Broadcom BCM56371 Trident III 480 Gbps
- CPU: Intel Atom/Denverton C3558 4-cores 2.2 GHz x86 processor
- DDR4: 8 GB x 2 SO-DIMM
- SPI Flash: 16 MB x 2
- m.2 SSD: 32 GB MLC
- TPM 1.2 with LPC Interface: ST33ZP24AR28PVSP, ST

Performance

- Switching Capacity: 348 Gbps
- Forwarding Rate: 744 Mpps
- MAC Addresses: 16K min./112K max.
- VLAN IDs: 4K
- Jumbo Frames: Up to 12,288 bytes
- Packet Buffer Size: 8 MB Integrated packet buffer memory

LEDs

- GE RJ-45 SFP+ Port LEDs: Link Status, Activity
- SFP28 Port LEDs: Port LEDs: Link Speed, Link Status, Activity
- Ethernet Management Port LED: Link Status, Activity
- System LEDs: PRI, PSU1, PSU2, STK1, STK2, FAN

Physical and Environmental

- Dimensions (WxDxH): 43.8 x 47.4 x 4.4 cm (17.24 x 18.66 x 1.73 in)
- Weight: 6.98 kg (15.39 lb), with two installed PSUs
- 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: 2 redundant, load-sharing, hot-swappable AC
- Input Voltage: 100 to 240 VAC at 50-60 Hz
- Power Consumption: 150 Watts maximum

Regulatory

- EN 55032:2015+AC:2016, Class A
- EN 61000-3-2:2014, Class A
- EN 61000-3-3:2013
- 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 55024:2010+A1:2015
- EN 55035:2017
- UL (UL 62368-1 & 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.

© Copyright 2023 Edgecore Networks Corporation. The information contained herein is subject to change without notice. This document is for informational purposes only and does not set forth any warranty, expressed or implied, concerning any equipment, equipment feature, or service offered by Edgecore Networks Corporation. Edgecore Networks Corporation shall not be liable for technical or editorial errors or omissions contained herein.

Ordering Information

Base Model: AS4630-54TE; Intel® Atom® processor C3558; 48 x 1G RJ45 + 4 x 25G SFP28 + 2 x 100G QSFP28 with ONIE software Installer.

| Model Number | Part Number | PSU | Airflow | Region (power cord) |
|-----------------------|---------------|--|-----------------------|---------------------|
| AS4630-54TE-O-AC-F-US | F0PZZ4654410A | Dual AC PSUs | port-to-power airflow | N. America |
| AS4630-54TE-O-AC-B-US | F0PZZ4654411A | Dual AC PSUs | power-to-port airflow | N. America |
| AS4630-54TE-O-AC-F-EU | F0PZZ4654208A | Dual AC PSUs | port-to-power airflow | EU |
| AS4630-54TE-O-AC-B-EU | F0PZZ4654209A | Dual AC PSUs | power-to-port airflow | EU |
| AS4630-54TE-O-AC-F-UK | F0PZZ4654308A | Dual AC PSUs | port-to-power airflow | UK |
| AS4630-54TE-O-AC-B-UK | F0PZZ4654309A | Dual AC PSUs | power-to-port airflow | UK |
| AS4630-54TE-O-AC-F-JP | F0PZZ4654508A | Dual AC PSUs | port-to-power airflow | JP |
| AS4630-54TE-O-AC-B-JP | F0PZZ4654509A | Dual AC PSUs | power-to-port airflow | JP |
| YM-1151D A03R | F0TEC4654000A | 150 W AC Power Supply FRU | port-to-power airflow | |
| YM-1151D A02R | F0TEC4654000Z | 150 W AC Power Supply FRU | power-to-port airflow | |
| FAN-1U-1x1M-F | F0TZZ4654009A | FAN Module | port-to-power airflow | |
| FAN-1U-1x1M-B | F0TZZ4654010A | FAN Module | power-to-port airflow | |
| Model Number | Part Number | Description | | |
| 4630-54TE-SVC-RTF | REWEC4630001Z | AS4630-54TE, Annual Hardware Service, Return-to-Factory after warranty. Three year warranty already included with the product, maximum two additional years per product. Fans and PSUs excluded. | | |