

Enterprise Switch

AS4630-54PE



The Edgecore EPS202 is a high-performance Gigabit Ethernet L2/L3 switch featuring 54 ports; the EPS202 has 48 x 10/100/1000BASE-T ports, 4 x 10G/25G SFP28 uplink ports, and 2 x 100G QSFP28 stacking ports (stacking capability subject to NOS implementations); plus the 48 x 10/100/1000BASE-T ports fully support IEEE 802.3at and IEEE 802.3bt Power-over-Ethernet (PoE).

The EPS202 is ideal as a access PoE switch for Enterprise Access Networking or Campus Access Networking, it includes redundant hot-swappable AC PSUs and 2+1 redundant FANs with port-to-power airflow, with the ability to provide up to 90 Watts (depending on the PoE power budget) of power per port to attached devices, such as VoIP phones, wireless access points, surveillance cameras etc, fully utilizing existing Cat. 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

- Cost-effective open networking switch with PoE capability ideal for Enterprise Access Networking and Campus Access Networking.
- PoE capability able to power up enterprise, hospital, warehouse, retail environments interconnecting with security, Wi-Fi Access Points, IP Phone and IP Camera.
- 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/L3 forwarding and switching and routing.
- Hot-swappable, load-sharing, redundant AC PSUs.
- 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

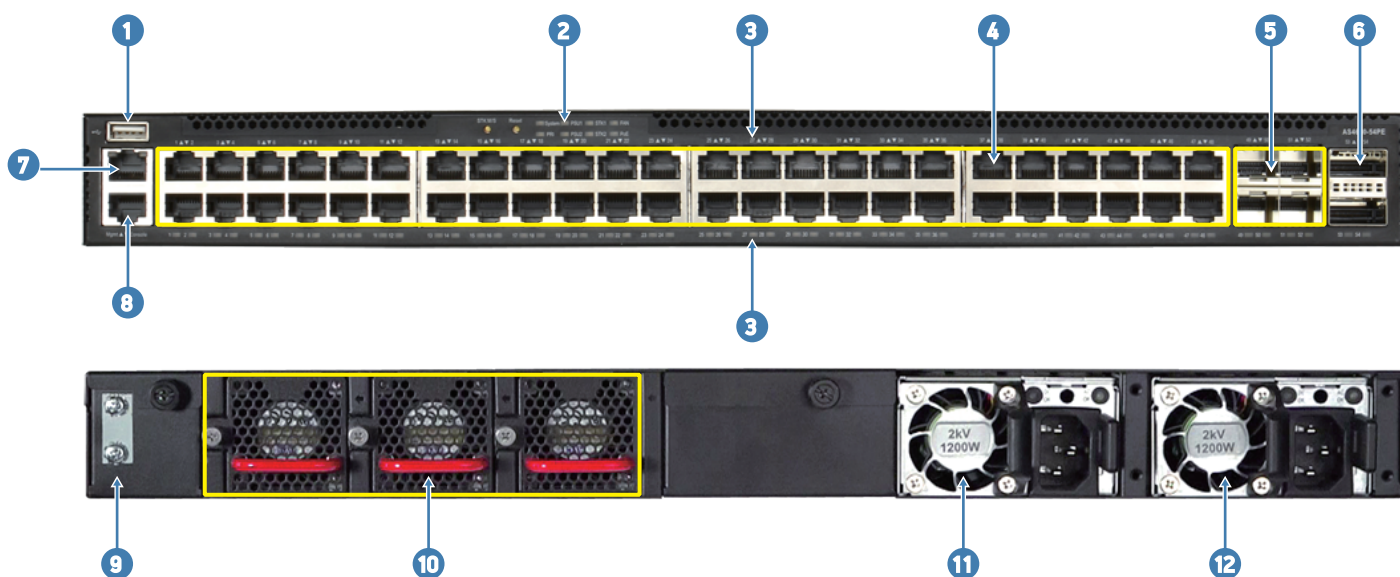


Reduced
CAPEX and OPEX

Free Software Included

onle

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)
- 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-RJ45
 - 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: 448 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, PoE

Physical and Environmental

- Dimensions (WxDxH): 43.8 x 44.2 x 4.37 cm (17.24 x 17.40 x 1.72 in)
- Weight: 7.67 kg (16.91 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 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 redundant, load-sharing, hot-swappable AC
 - Input Voltage: 100 to 240 VAC at 50-60 Hz
 - Power Consumption: 1800 Watts maximum
- 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.

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Ordering Information

Base model: AS4630-54PE; Intel® Atom® Denverton Processor; 48 x 1G BASE-T with PoE++ downlink + 4 x 25G SFP28 uplink + 2 x 100G QSFP28 stacking port; ONIE software installer.

Model Number	Part Number	PSU	Airflow	Region (power cord)
AS4630-54PE-O-AC-F	F0PZZ4654037A	Dual AC PSUs	port-to-power airflow	
AS4630-54PE-O-AC-F-US	F0PZZ4654408A	Dual AC PSUs	port-to-power airflow	US
AS4630-54PE-O-AC-F-UK	F0PZZ4654306A	Dual AC PSUs	port-to-power airflow	UK
AS4630-54PE-O-AC-F-JP	F0PZZ4654506A	Dual AC PSUs	port-to-power airflow	JP
AS4630-54PE-O-AC-F-EU	F0PZZ4654206A	Dual AC PSUs	port-to-power airflow	EU
AS4630-54PE-O-AC-F-TW	F0PZZ4654T00A	Dual AC PSUs	port-to-power airflow	TW
AS4630-54PE-O-AC-F-CN	F0PZZ4654700A	Dual AC PSUs	port-to-power airflow	CN