

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 an access PoE switch for enterprise access networking or campus access networking. The switch includes redundant hot-swappable AC PSUs and 2+1 redundant fan trays with front-to-back airflow, and has 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 and commercial NOS offerings.

Key Features and Benefits

- Mid-range open networking switch with IEEE 802.3af/at/bt Type 3/4 PoE capability.
- PoE capability able to power up enterprise, hospital, warehouse, and retail environments, interconnecting security with Wi-Fi access points, IP Phones, and IP cameras.
- 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), also can be used as data transmission ports.
- Supports TPM 1.2 with LPC interface.
- Options to enable UEFI Secure Boot.
- Full line-rate L2/L3 forwarding and switching.
- Hot-swappable, load-sharing, redundant AC PSUs.
- Hot-swappable 2 + 1 redundant fan trays.
- 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

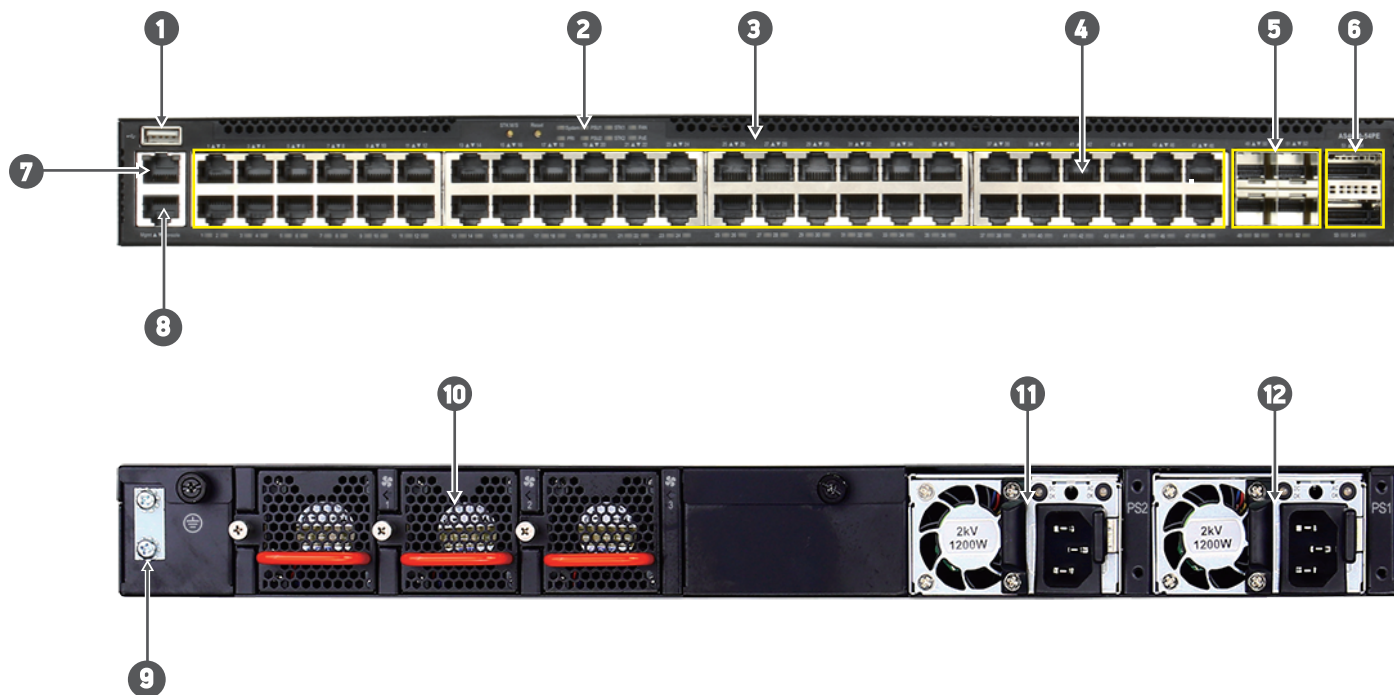


Reduced
CAPEX and OPEX

Free Software Included



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 fan trays |
| 5. 4 x 10G/25G SFP28 ports | 11. PSU 2: 1200 Watts |
| 6. 2 x 100G QSFP28 stacking ports | 12. PSU 1: 1200 Watts |

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), also can be used as data transmission ports
- 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® C3558 4-core 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

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
- LAG (802.3ad): 1024 LAG Groups, with a total 256 members, with a maximum of 8 members per group
- VLAN Translation: 16K ingress/16K egress
- VRF: 4K
- L3 Hosts:
 - IPv4: 16K minimum/68K maximum
 - IPv6: 8K minimum/40K maximum
- L3 Multicast Groups 8K IPMC Groups
- ECMP: 1024 groups with a total of 4096 members, maximum 1024 members per group

LEDs

- GE RJ-45, SFP+ Port LEDs: Link Status, Activity
- SFP28 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: 2pcs 1+1 redundant, load-sharing, hot-swappable 1200W AC (80 PLUS Platinum compliant)
- Front-to-back airflow only
- Input Voltage/Current at 47~63Hz:
 - Low-line: 15A for 90VAC~132VAC (1000 Watts)
 - High-line: 8A for 180VAC~264VAC (1200 Watts)
- Maximum Power Consumption
 - Low-line: 1710 Watts
 - High-line: 1710 Watts
- PoE Budget (with 30W Guard band)
 - Low-line: 750 W for 1 PSU/1500 W for 2 PSU
 - High-line: 750 W for 1 PSU/1500 W for 2 PSU

Regulatory

- EMI:
 - EN55032 Class A
 - EN55035
 - EN61000-3-2
 - EN61000-3-3
 - FCC Class A
 - VCCI Class A
 - AS/NZS Class A
 - ICES-003 Class A
 - BSMI Class A
 - TEC Class A
 - IEC 61000-4-2/3/4/5/6/8/11
- Safety:
 - CB
 - UL
 - BSMI (CNS 15598-1)
- RoHS CNS 15663

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® Processor 4-Core; 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	front-to-back airflow	
AS4630-54PE-O-AC-F-US	F0PZZ4654408A	Dual AC PSUs	front-to-back airflow	US
AS4630-54PE-O-AC-F-UK	F0PZZ4654306A	Dual AC PSUs	front-to-back airflow	UK
AS4630-54PE-O-AC-F-JP	F0PZZ4654506A	Dual AC PSUs	front-to-back airflow	JP
AS4630-54PE-O-AC-F-EU	F0PZZ4654206A	Dual AC PSUs	front-to-back airflow	EU
AS4630-54PE-O-AC-F-TW	F0PZZ4654T00A	Dual AC PSUs	front-to-back airflow	TW
AS4630-54PE-O-AC-F-CN	F0PZZ4654700A	Dual AC PSUs	front-to-back airflow	CN

PSU Model Number	Part Number	Product Description
YPEB1200AM-1A03P10	F0TZZ4654011A	1200 W AC Power Supply (3Y), front-to-rear airflow, 1 Year Warranty (for EPS202/AS4630-54PE, EPS203/AS4630-54NPE). Inlet Connector: IEC 60320 C14.

FAN Model Number	Part Number	Product Description
FAN-1U-1x1M-F	F0TZZ4654009A	Fan Module, front-to-rear airflow, 1 Year Warranty (for EPS201/AS4630-54TE, EPS202/AS4630-54PE, EPS203/AS4630-54NPE).

Accessories Model Number	Part Number	Product Description
RKIT-100G-SLIDE	F0OZZ7632001A	Tool-less mounting rail slide kit (For EPS200 series/AS4630-54TE/54PE/54NPE, DCS203/AS7326-56X, DCS204/AS7726-32X, DCS500/AS7816-64X, DCS501/AS7712-32X, DCS510/AS9716-32D, AS7716-32X).