

Enterprise Switch

AS4630-54NPE



The Edgecore EPS203 is a high-performance Gigabit Ethernet Layer 3 switch featuring 54 ports. The EPS203 has 36 x 10/100/1000/2.5G ports, 12 x 10GBASE-T ports, 4 x 25G uplink ports and 2 x 100G QSFP28 stacking ports (stacking capability subject to NOS implementation); plus all RJ-45 Ethernet ports can support up to 90 W Power-over-Ethernet (PoE).

The EPS203 is ideal as a data center top-of-rack switch, and it includes redundant hot-swappable AC PSUs and port-to-power airflow. It is ideal for campus networking, with the EPS203 able to provide up to 90 Watts (Depends 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 software, including the open source options, plus commercial NOS offerings.

Key Features and Benefits

- Cost-effective, open network switch for data center racks or for enterprise environment.
- 1/2.5/10 GbE connections to server and storage nodes in rack, with 25 GbE uplinks to spine network.
- PoE models ideal for enterprise, hospitality, warehouse applications interconnecting security, camera, Wi-Fi devices.
- 36 10/100/1000/2.5G ports, 12 x 10GBASE-T ports
- 4 x SFP28 uplink ports, supporting 25 GbE.
- 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

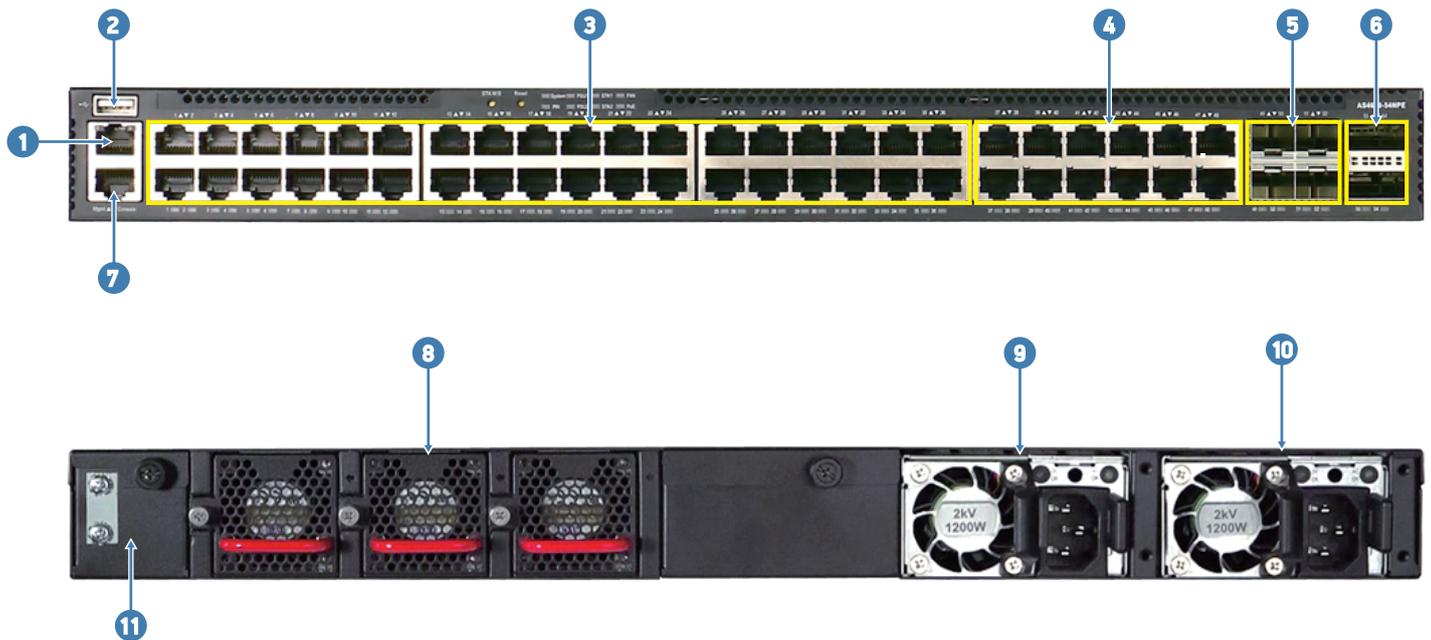


Reduced
CAPEX and OPEX

Free Software Included



Interfaces



Description

1. RJ-45 management port	7. RJ-45 console port
2. USB storage port	8. Hot-swappable 2 + 1 redundant fans
3. 36 x 10/100/1000/2.5G ports	9. PSU 2
4. 12 x 10GBASE-T ports	10. PSU 1
5. 4 x 25G SFP28 uplink ports	11. Grounding point
6. 2 x 100G QSFP28 stacking ports	

Ports

- Switch Ports:
 - 36 x 10/100/1000/2.5G ports,
 - 12 x 10GBASE-T ports
 - 4 x 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

Key Components

- Switch Silicon: Broadcom BCM56370 Trident III 560 Gpbs
- CPU: Intel Atom/Denverton C3558 4-cores 2.2 GHz x86 processor
- DDR4: 8 GB x 2 SO-DIMM
- Flash: 16 MB x 2
- m.2 SSD: 32 GB MLC

Performance

- Switching Capacity: 1 Tbps full duplex
- Forwarding Rate: 863.1 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 Port LEDs: Link Speed, Link Status, Activity
- 25G SFP28 Port LEDs: Link Speed, Link Status, Activity
- 100G QSFP28 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 47.4 x 4.4 cm (17.24 x 18.66 x 1.73 in) 1 RU
- Weight: 8.5 kg (18.74 lb)
- Fans: Hot-swappable 2 + 1 redundant fans
- Operating Temperature: 0°C to 45°C
- Storage Temperature: -40°C to 70°C
- 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:
 - 2000 W max. (100–120 VAC PSUs)
 - 2400 W max. (200–240 VAC PSUs)

Note: AC PSUs are redundant in terms of system and networking, but not fully redundant in terms of PoE functions and the power budget.

Electromagnetic Compatibility

- CE Mark
 - EN55032 Class A
 - EN 61000-3-2
 - EN61000-3-3
 - FCC Title 47, Part 15, Subpart B Class A
 - VCCI Class A
 - CCC
 - BSMI
- Environmental:
 - Temperature: IEC 68-2-14
 - Vibration: IEC 68-2-6, IEC 68-2-64, IEC 68-2-29
 - Shock: IEC 68-2-27
- Safety:
 - UL
 - CB
 - CCC
 - BSMI
 - WEEE Standards: The switches complied with the following WEEE standards: Waste Electrical and Electronic Equipment (WEEE Directive 2002/96/EC)
 - Country of Origin: Taiwan (TAA 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: AS4630-54NPE; Intel® Atom® Denverton Processor; 36-Port 2.5G with PoE++ + 12-port multiG + 4-port 25G uplink + 2 x 100G QSFP28 stacking port; ONIE software installer.

Model Number	Part Number	PSU	Airflow	Region (power cord)
AS4630-54NPE-O-AC-F-US	F0PZZ4654412A	Dual AC PSUs	port-to-power airflow	N. America
AS4630-54NPE-O-AC-B-EU	F0PZZ4654210A	Dual AC PSUs	power-to-port airflow	EU
AS4630-54NPE-O-AC-F-UK	F0PZZ4654310A	Dual AC PSUs	port-to-power airflow	UK
AS4630-54NPE-O-AC-B-JP	F0PZZ4654510A	Dual AC PSUs	power-to-port airflow	JP