

Enterprise Switch

AS4630-54NPE

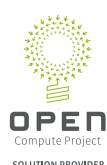


The Edgecore EPS203 is a high-performance Gigabit Ethernet Layer 3 switch featuring 54 ports. The EPS203 has 36 x 10/100/1000/2.5G ports, 12 x 10GBASE-T ports, 4 x 25G uplink ports and 2 x 100G QSFP28 stacking ports (stacking capability subject to NOS implementation); plus all RJ-45 Ethernet ports can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

Key Features and Benefits

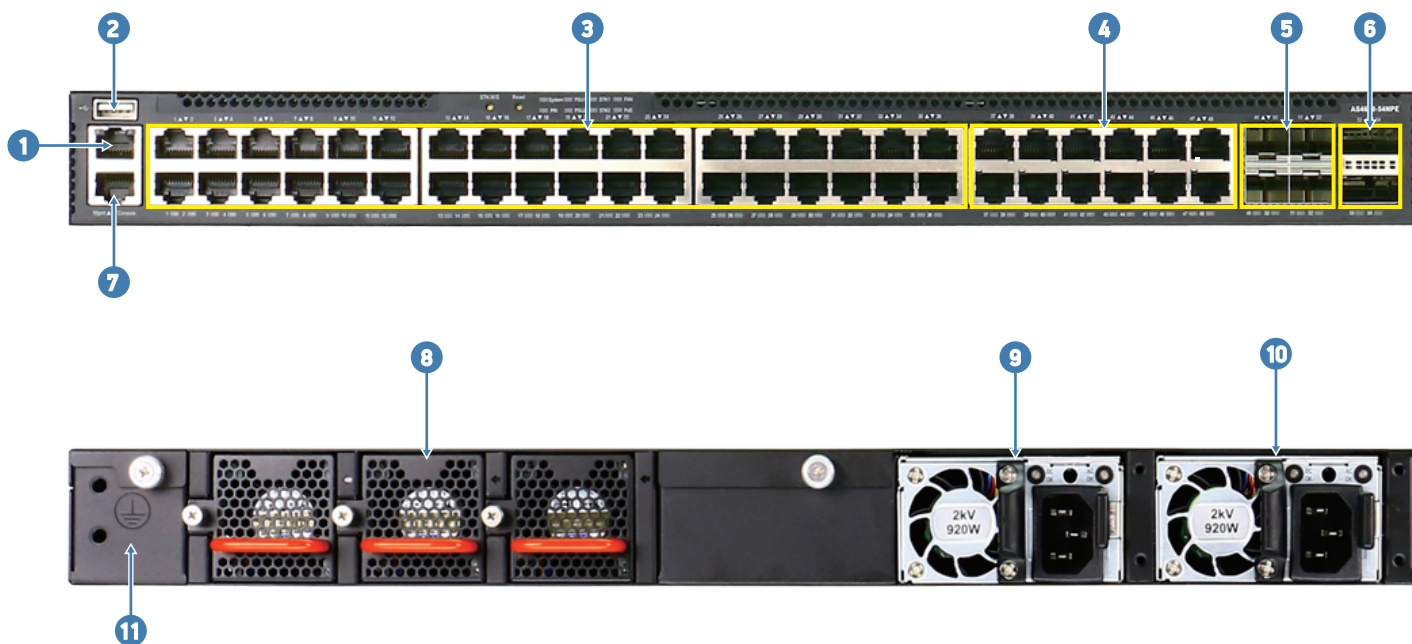
- Cost-effective, open network infrastructure for data center racks.
- 1/2.5/10 GbE connections to server and storage nodes in rack, with 25 GbE uplinks to spine network.
- PoE models ideal for enterprise, hospitality, warehouse applications interconnecting security, camera, Wi-Fi devices.
- 36 10/100/1000/2.5G 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.
- Compatible with Open Network Linux (ONL), the open-source, OCP reference NOS.



Software Supported



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 Open Network Linux (ONL), the open-source, OCP reference NOS.

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.

© Copyright 2021 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: AS4630-54NPE with ONIE software Installer

Model Number	CPU Module	PSU	Airflow	Region (power cord)
AS4630-54NPE-O-AC-F-US	Intel Atom processor C3558	Dual AC PSUs	port-to-power airflow	N. America
AS4630-54NPE-O-AC-B-EU	Intel Atom processor C3558	Dual AC PSUs	power-to-port airflow	EU
AS4630-54NPE-O-AC-F-UK	Intel Atom processor C3558	Dual AC PSUs	port-to-power airflow	UK
AS4630-54NPE-O-AC-B-JP	Intel Atom processor C3558	Dual AC PSUs	power-to-port airflow	JP