

Enterprise Switch

AS4610-30P



The Edgecore EPS207 is a high-performance Gigabit Ethernet Layer 3 switch featuring 30 ports; with 24 10/100/1000BASE-T ports, 4 x 10G SFP+ uplink ports, and 2 x 20G QSFP+ stacking ports (stacking capability subject to NOS implementations). The EPS207 is ideal for enterprise or campus networks deploying open network solutions, it includes redundant hot-swappable AC PSUs and port-to-power airflow, plus the 24 10/100/1000BASE-T ports fully support IEEE 802.3at and IEEE 802.3af Power-over-Ethernet (PoE).

Key Features and Benefits

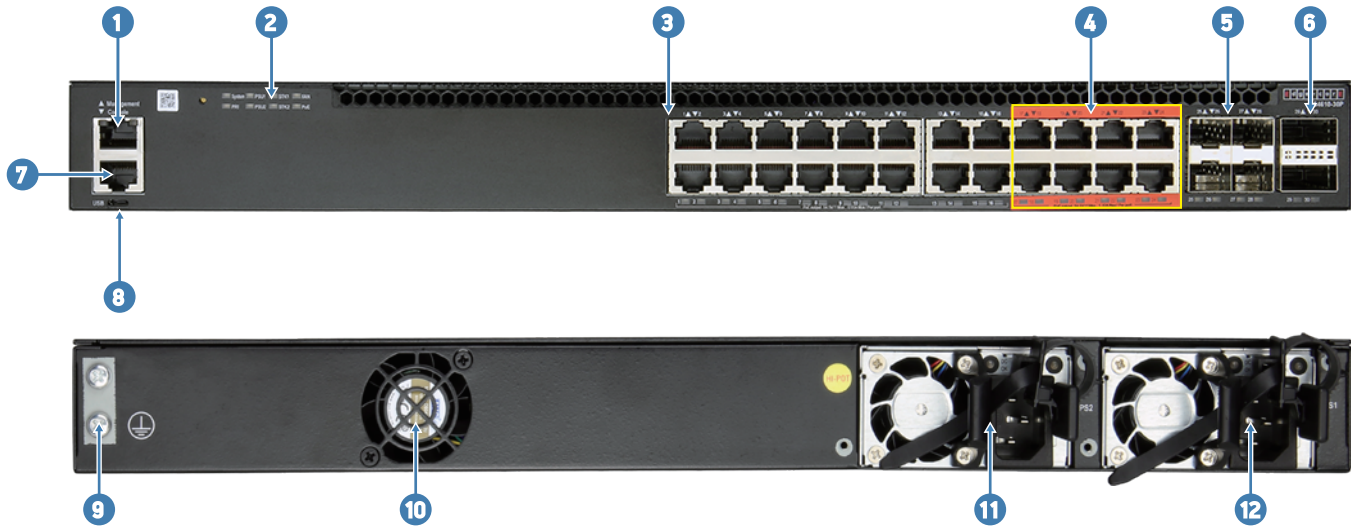
- Cost-effective, open network switch for enterprise, campus and data center fabric.
- 1 GbE connections to server and storage nodes in rack, with 10 GbE uplinks to spine network.
- PoE models ideal for enterprise, hospitality, warehouse applications interconnecting security, camera, WiFi devices.
- 24 x RJ-45 100/1000BASE-T PoE ports.
- 4 x SFP+ uplink ports, supporting 10 GbE (DAC, 10GBASE-SR/LR/ER/LRM) or 1 GbE (1000BASE-T/SX/LX).
- 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. System LEDs | 8. USB storage port |
| 3. 24 x 1G RJ-45 Ports | 9. Grounding point |
| 4. 8 x 1G RJ45 with 60W PoE Ports | 10. Fixed fan |
| 5. 4 x 10G SFP Ports | 11. PSU 2 |
| 6. 2 x QSFP+ stacking ports | 12. PSU 1 |

Ports

- Switch Ports:
 - 24 x RJ-45 100/1000BASE-T PoE ports
 - 4 x 10G SFP+ ports supporting 10G or 1G
 - 2 x 20G QSFP+ stacking ports (requires NOS to support hardware stacking feature)
- Management Ports:
 - (1) port-to-power airflow type
 - 1 x Micro USB serial console
 - 1 x RJ-45 100/1000BASE-T management port
 - 1 x Type-A USB storage port
 - (2) port-to-power airflow v1 type
 - 1 x RJ-45 serial console
 - 1 x RJ-45 100/1000BASE-T management port
 - 1 x Micro-USB storage port

Key Components

- Switch Silicon: Broadcom BCM56342 Helix4
- CPU: Dual-core ARM Cortex A9 1 GHz
- Memory: 2 GB DDR3 SDRAM ECC
- Flash: 8 MB SPI Flash, 32GB MLC eUSB

Performance

- Wire Speed Forwarding: L2 and L3
- Switching Capacity: 208 Gbps full duplex
- Forwarding Rate: 156 Mpps
- MAC Addresses: up to 96 K
- VLAN IDs: 4K
- Jumbo Frames: Up to 12 KB
- L3 Entry: IPv4/IPv6 96 k/48 k Unicast, 48 k/24 k Multicast
- Packet Buffer Size: 4 MB shared buffer pool

Supported Optics and Cables

- GE RJ-45 Ports: Cat 5/5e/6 up to 100 m
- SFP+ Ports:
 - 10GBASE-CR DAC; 0.5 m to 7 m
 - 10GBASE-SRL/SR; up to 100/300 m over OM3 MMF
 - 10GBASE-LR; up to 10 km over SMF
 - 1000BASE-SX, 1000BASE-LX, 100/1000BASE-T
- QSFP+ Port for stacking

LEDs

- GE RJ-45 SFP+ Port LEDs: Link Speed, Link Status, Activity
- 10G SFP+ Port LEDs: Link Speed, Link Status, Activity
- Ethernet Management Port LED: Link Status, Activity
- System LEDs: PRI, PSU1, PSU2, STK1, STK2, FAN, PoE

Software

- Switch is loaded with Open Network Install Environment (ONIE)
- Compatible with the following NOS options: Open Network Linux (ONL)

Power

- PSUs: 2 redundant, load-sharing, hot-swappable AC
 - Note: AC PSUs are redundant in terms of system and networking, but not fully redundant in terms of PoE functions and the power budget.
- Input Voltage: 100-240 VAC, 50-60 Hz, 8.5-4.25 A

Physical and Environmental

- Dimensions (WxDxH): 44 x 35 x 4.4 cm (17.32 x 13.78 x 1.77") 1 RU
- Weight: 6.02 kg (13.27 lb)
- Fans: System fan and PSU fans
- Operating Temperature: 0°C to 45°C
- Storage Temperature: -40°C to 70°C
- Operating Humidity: 5% to 95% non-condensing

Regulatory

- EMI:
 - CE Mark (EN55022 Class A)
 - FCC Part 15 Class A
 - VCCI Class A
 - BSMI (CNS13438)
- Environmental:
 - Temperature: IEC 68-2-14
 - Shock: IEC 68-2-29
 - Vibration: IEC 68-2-36, IEC 68-2-6
 - Drop: ISTA 2A
- RoHS-6 Compliant
- Safety:
 - UL (CSA 22.2 No 60950-1 & UL 60950-1)
 - CB (IEC/EN60950-1)
 - BSMI (CNS14336)
- 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

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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.

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Ordering Information

Base Model: AS4610-30P; ARM Cortex processor; 24-port BASE-T + 4-port 10G uplink with 2-port stacking port; ONIE software installer.

Model Number	Part Number	PSU	Airflow	Region (power cord)
4610-30P-O-AC-F-US v1	F0PEC4630402Z	dual AC PSUs	port-to-power airflow	N. America
4610-30P-O-AC-F-EU v1	F0PEC4630202Z	dual AC PSUs	port-to-power airflow	Europe
4610-30P-O-AC-F-UK v1	F0PEC4630302Z	dual AC PSUs	port-to-power airflow	UK
4610-30P-O-AC-F-JP v1	F0PEC4630502Z	dual AC PSUs	port-to-power airflow	JP

Model Number	Part Number	Description
4610-XXX-SVC-RTF	REWECECWA001Z	AS4610 series, Annual Hardware Service, Return-to-Factory, after warranty. 3 year warranty included already with the product, maximum 2 additional years per product. FAN and PSU are excluded.
RKIT-85-4610	F0OEC4630000Z	Rack mount kit (for AS4610-54P/ AS4610-54T/ AS4610-30P/ AS4610-30T)