Edge-core ®
NETWORKS

1GbE Data Center Switch
AS4224-52T and AS4224-52P

The Edgecore AS4224-52T and AS4224-52P switches meet the high-performance, availability, and network-scaling requirements of enterprise and cloud data centers. The AS4224-52T includes 48 10/100/1000BASE-T ports and 4 x 10G SFP+ uplink ports. The AS4224-52P includes 48 10/100/1000BASE-T ports and 4 x 10G SFP+ uplink ports, with the 48 10/100/1000BASE-T ports fully supporting IEEE 802.3at and IEEE 802.3af Power-over-Ethernet (PoE).
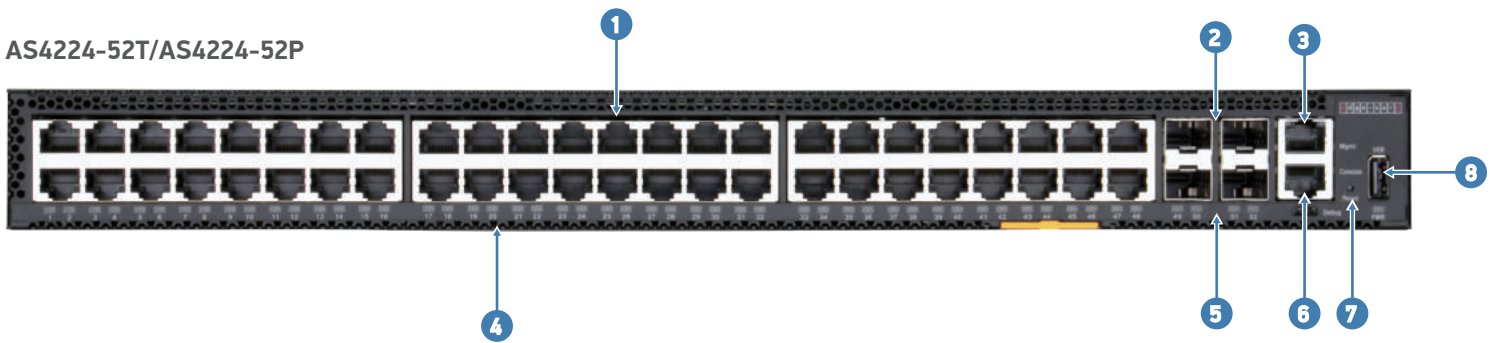
Key Features and Benefits

- Cost-effective, bare-metal switch infrastructure for data center fabric
- 4 x SFP+ switch ports, supporting 10 GbE (10GBASE-SR/LR) or 1 GbE (SX/LX)
- Rack mountable in standard 19" racks
- Supports front-to-back airflow
- All ports on front; PSUs, fans on rear
- Load sharing, redundant AC PSUs (AS4224-52P only)
- 3+1 fixed redundant fans (AS4224-52T)
- 5+1 fixed redundant fans (AS4224-52P)
- Management: Ethernet and console RJ-45 ports; USB storage port
- Hardware switch pre-loaded with Open Network Install Environment (ONIE) for automated loading of compatible open source and commerical NOS offerings
- Compatible with Open Network Linux (ONL), the open-source, OCP reference NOS

OPEN
PLATINUM

OPEN
Compute Project
SOLUTION PROVIDER

Freedom
of choice

Greater
control

Rapid
innovation

Reduced
CAPEX and OPEX

Supported Software

ONIE

ONL
CERTIFIED
GOLD

Interfaces

AS4224-52T/AS4224-52P

AS4224-52T

AS4224-52P

Description			
1	1000BASE-T ports (AS4224-52T) 1000BASE-T ports with PoE (AS4224-52P)	7	Reset button
2	10G SFP+ ports	8	USB storge port
3	Management port	9	3 + 1 redundant fans (AS4224-52T) 5 + 1 redundant fans (AS4224-52P)
4	1000BASE-T port indicators	10	AC power
5	10G SFP+ port indicator	11	AC power 2
6	Console port	12	AC power 1

Ports

- Switch Ports:
  AS4224-52T: 48 x 1000BASE-T ports, 4 x 10G SFP+
  AS4224-52P: 48 x 1000BASE-T ports with PoE, 4 x 10G SFP+
- Management Ports on Front Panel:
  1 x RJ-45 serial console
  1 x RJ-45 100/1000BASE-T management
  1 x USB Type A storage port

Key Cmponents

- Switch Silicon: Marvell 98DX3265 x2
- CPU Modules:
  Marvel 88F7040 (main CPU)
  Marvel 88F6820 (2nd CPU)
  DRAM 8GB (main CPU)
  2GB(2nd CPU) DDR4 SDRAM
  SSD 32GB M.2 SATA SSD (main CPU)
  NOR Flash 16MB (main & 2nd CPU)
  NAND Flash 1GB (2nd CPU)

Physical and Environmental

- Dimensions (WxDxH): 440 x 501 x 44 mm
- Weight:
  AS4224-52T: 6.41 kg (14.13 lb)
  AS4224-52P: 7.84 kg (17.28 lb)
- AS4224-52T: 3+1 fixed redundant fan modules
  AS4224-52P: 5+1 fixed redundant fan modules
- 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 95% non-condensing

LEDs

- Mgmt (1G RJ-45 Port) Speed:
  Green (10M 1 blink, 100M 2 blinks, 1000M 3 blinks)
- Mgmt (1G RJ-45 Port) Link :
  Green (link/activity), Amber (PoE link, AS4224-52P only)
- PWR:
  Green (OK)
  Orange Blink (one AC power connected, AS4224-52P only)
- SFP+ 10G Ports: Green (1G), Orange (10G)

Software

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

Power

- Input Power Rating:
  AS4224-52T: 100-240 VAC, 50/60Hz, 1.8–1 A
                190-250 VDC, 1.2 A
  AS4224-52P: 100-240 VAC, 50-60Hz, 13.5 A max
                190-250 VDC, 6.5 A max
- Power Consumption:
  AS4224-52T: 150 Watts maximum
  AS4224-52P: 950 Watts maximum

Regulatory

- Emissions:
  EN 55032 Class B
  EN 61000-3-2/3
  FCC Class B
  VCCI Class B
  AS/NZS Class B
- Immunity:
  EN 55024
  IEC 61000-4-2/3/4/5/6/8/11
  EN 55035
- Safety:
  UL/CSA
  CB
- RoHS Compliant
- 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.