

AXIS D8248 Managed PoE++ Switch

48-port switch for efficient network management

AXIS D8248 Managed PoE++ Switch is an easy to install 48-port managed gigabit switch – a perfect complement to Axis recorders to further simplify setup and installation of surveillance systems. AXIS D8248 comes with an integrated DHCP server for automatic assignment of IP addresses and discovery of connected Axis devices. Furthermore, featuring a familiar Axis interface with a graphic topology for easy overview of devices, AXIS D8248 ensures easy configuration with Axis products.

- > **740 W power budget**
- > **Optimized for surveillance solutions**
- > **Compliant with IEEE 802.3bt up to 90 W**
- > **4 SFP+ ports**
- > **Intuitive graphic topology for system overview**



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Network

Network function

Full L2 switching features including L3 features:
IPv4/IPv6 static route, RIP, and OSPF

Network protocols

IPv4, IPv6, HTTP, HTTPS, QoS Layer 3 DiffServ, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3, DNS/DNSv6, NTP, TCP, UDP, IGMPv1/v2/v3, ICMP, DHCP, ARP, SSH, CDP, RADIUS, TACACS+, Syslog, IEEE 802.1X, 802.1Q (VLAN), LLDP, LLDP-MED, STP, MSTP, RSTP, LACP

Throughput

130.944 Mpps

Switching capacity

176 Gbps

MAC table

32 K

Jumbo frames

10240 Bytes

Approvals

Product markings

CSA, UL/cUL, CE, VCCI, RCM, FCC, ICES, MIC Telecom, C-mark

Supply chain

TAA compliant

EMC

EN 55035, EN 55032 Class A, EN 61000-6-1, EN 61000-6-2

Australia/New Zealand: RCM AS/NZS CISPR 32 Class A

Canada: ICES(A)/NMB(A)

Japan: VCCI Class A

USA: FCC Part 15 Subpart B Class A

Safety

CAN/CSA C22.2 No. 62368-1 ed. 3,

IEC/EN/UL 62368-1 ed. 3, AS/NZS 62368.1, J62368-1

Environment

IEC/EN 60529 IP20

Telecoms

MIC Telecom

Cybersecurity

Network security

IEEE 802.1X, HTTPS encryption, TLS v1.2, X.509, Access Control List (ACL), port security, IP source guard, storm control, private VLAN, DHCP snooping, ARP inspection, password protection, loop protection

Documentation

AXIS Network Switches Hardening Guide

Axis Vulnerability Management Policy

Axis Security Development Model

Software Bill of Material (SBOM)

To download documents, go to axis.com/support/cybersecurity/resources

To read more about Axis cybersecurity support, go to axis.com/cybersecurity

General

Casing

Steel

Color: Black

Power

100–240 V AC, 50/60 Hz

Pin assignment

Power over pairs:

Port 1–40: 3/6 (+ve) and 1/2 (-ve)

Port 41–48: 3/6, 4/5 (+ve) and 1/2, 7/8 (-ve)

PoE output

Port 1–40: IEEE802.3at Type 2 Class 4, max 30 W output

Port 41–48: IEEE802.3bt Type 4 Class 8, max 90 W output

PoE Power budget: 740 W

Connectors

PoE ports

RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE (48x)

Data ports/Uplink

10GBASE-LR/SR SFP+ (4x)

Power

Power connector port (1x)

Console

RJ45 (1x)

Surge protection

Network ports: 1kV
AC lines: 2kV

Operating conditions

0 to 45 °C (32 °F to 113 °F)
Humidity 0–95% RH (non-condensing)

Storage conditions

-20 °C to 70 °C (-4 °F to 158 °F)
Humidity 5–95% RH (non-condensing)

Dimensions

Minimum rack depth: 18"
For the overall product dimensions, see the dimension drawing in this datasheet.

Weight

5620 g (12.4 lb)

Box content

Switch, installation guide, 19" ear rack kit, rubber feet (4x), power cord

Optional accessories

AXIS TD8901 SFP+ Module LC.LR.X
AXIS TD8902 SFP+ Module LC.SR.X
For more accessories, go to axis.com/products/axis-d8248-managed-poe-switch#accessories

System tools

AXIS Site Designer, AXIS Device Manager, product selector, accessory selector
Available at axis.com

Languages

English

Warranty

5-year warranty, see axis.com/warranty

Export control

This product is subject to export control regulations, and you should always comply with all applicable national and international export or re-export control regulations.

Part numbers

Available at axis.com/products/axis-d8248-managed-poe-switch#part-numbers

Sustainability

Substance control

PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709
RoHS in accordance with EU RoHS Directive 2011/65/EU and 2015/863, and standard EN IEC 63000:2018
REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu

Materials

Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to axis.com/about-axis/sustainability

Environmental responsibility

axis.com/environmental-responsibility
Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org

Dimension drawing

