

AXIS D8208-R Industrial PoE++ Switch

Managed, 8-port industrial PoE++ switch

This rugged 8-port switch is ideal for demanding installations. Designed to withstand shock and vibrations, it can handle temperatures ranging from -40 °C to 60 °C (-40 °F to 140 °F). Each port can deliver up to 90 W PoE++ (IEEE 802.3bt) with a total power budget of 480 W. Plus, it also supports fiber ensuring flexible long-distance installations. Furthermore, featuring a familiar Axis interface with a graphic topology for easy overview of devices, AXIS D8208-R ensures easy configuration with Axis products.

- > **480 W power budget**
- > **Compliant with IEEE 802.3bt up to 90 W**
- > **Familiar and intuitive Axis interface**
- > **High availability with Rapid Ring**
- > **NEMA TS-2 Compliant**



AXIS D8208-R Industrial PoE++ Switch

Network

Security

Access Control List, Port Security, IP Source Guard, Storm Control, Private VLAN, DHCP Snooping, ARP Inspection, HTTPS encryption, Password protection

Network protocols

IPv4, IPv6, HTTP, HTTPS, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3, DNS, NTP, RTSP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SSH, RADIUS, TACACS+, Syslog, IEEE 802.1X, IEEE 802.3X, IEEE 802.1p, 802.1Q (VLAN), LLDP, LLDP-Med, STP, MSTP, RSTP, LACP, RRRP

Throughput

46.130 Mpps

Switching capacity

62 Gbps

MAC table

16 K

Jumbo frames

10240 Bytes

Approvals

EMC

EN 55035, EN 55032 Class A, EN 50121-4, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3
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
Railway: IEC 62236-4

Safety

IEC/EN/UL 62368-1 ed. 3

Environment

IEC 60068-2-6, IEC 60068-2-27, NEMA TS 2 (2.2.7-2.2.9), 60068-2-31 (Free fall - Procedure 1), IEC/EN 60529 IP30

General

Casing

Aluminum
Color: Black

Power

Required 44 ~ 57 V DC input for IEEE 802.3af, Type 1 Class 3, max 15.4 W output
Required 50 ~ 57 V DC input for IEEE802.3at, Type 2 Class 4, max 30 W output
Required 50 ~ 57 V DC input for IEEE802.3bt, Type 3 Class 6, max 60 W output
Required 52 ~ 57 V DC input for IEEE802.3bt, Type 4 Class 8, max 90 W output
Max 11.2 A at 480 W

Pin assignment

Power over pairs:
3/6, 4/5 (+ve) and 1/2, 7/8 (-ve)

PoE output

Up to 90 W per port
PoE Power budget: 480 W

Connectors

PoE ports

RJ45 10BASE-T/100BASE-TX/1000BASE-T (6x)
RJ45 100BASE-TX/1000BASE-T/2.5GBASE-T (2x)

Data ports/Uplink

10GBASE-LR/SR SFP+ (2x)

Power

Power connector port (2x for power redundancy)

Console

RJ45 (1x)

Surge protection

DC Power: 1 kV CM, 0.5 kV DM
6kV on all network ports

Operating conditions

-40 to 60 °C (-40 °F to 140 °F)
Maximum temperature according to NEMA TS 2 (2.2.7):
74 °C (165 °F)
Humidity 5-95% RH (non-condensing)

Storage conditions

-40 °C to 85 °C (-40 °F to 185 °F)
Humidity 5-95% RH (non-condensing)

Dimensions

Width: 62 mm (2.44 in)

Height: 168 mm (6.61 in)

Depth: 130 mm (5.11 in)

Weight

892 g (1.967 lb)

Included accessories

Installation guide, mounting bracket for din rail, DB-9 console cable, two mounting brackets for AXIS TQ1808-VE Surveillance Cabinet

Optional accessories

AXIS TQ1808-VE Surveillance Cabinet

Power Supply DIN PS56 480 W

AXIS TD8901 SFP+ Module LC.LR.X

AXIS TD8902 SFP+ Module LC.SR.X

For more accessories, see [axis.com](https://www.axis.com)

Management software

AXIS Device Manager

Warranty

5-year warranty, see [axis.com/warranty](https://www.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.

Sustainability

Substance control

PVC free

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

Environmental responsibility

[axis.com/environmental-responsibility](https://www.axis.com/environmental-responsibility)

Axis Communications is a signatory of the UN Global

Compact, read more at unglobalcompact.org