AXIS D8204-E POE ++ Switch

4-port high power outdoor switch

AXIS D8204-E PoE++ Switch provides a quick and easy way to deploy outdoor cameras over long distances while keeping installation costs low. Featuring two integrated SFP+ ports, it is ideal for fiber-based installations, while remote management ensures effortless maintenance. The switch is compliant with IEEE 802.3bt, supporting PoE class 8 with up to 90 W per port, enabling compatibility with a wide range of high-power devices. For enhanced security, it is the first Axis switch to feature MACsec, adding a critical layer of protection against tampering and unauthorized access via point-to-point encryption of Ethernet traffic.

- > Enhanced security with MACsec
- > Two SFP+ port – for fiber installation
- > Four PoE++ Ports
- > Up to 90 W per port (total 270 W)
- > IP67 and NEMA 4x rating



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Network

Security
Password protection
HTTPS encryption
VLAN

Network protocols
IPv4, IPv6, TCP, UDP, DHCP, DNS, LLDP, NTP, ICMPv4, ICMPv6, sFlow, UPnP, mDNS/Bonjour, EEE (IEEE 802.3az), SSH, IEEE 802.1x, MACsec (IEEE 802.1AE), ARP, RADIUS, TACACS+, SNMP v1/v2c/v3, VLAN, STP, RSTP, MSTP, IGMP, MLD, Syslog

Throughput
143 Mpps

Switching capacity
48 Gbps

MAC table
8 k

Jumbo frames
10240 bytes

Approvals

Product markings
CE, FCC, ICES, WEEE

Supply chain
TAA compliant

EMC
EN 55035, EN 55032 Class A, EN 50121-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2
Canada: ICES-3(A)/NMB-3(A)
USA: FCC Part 15 Subpart A Class A
Railway: IEC 62236-4

Safety
CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3

Environment
IEC/EN 60529 IP67, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)

Cybersecurity

Network security
IEEE 802.1X , IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS encryption, TLS v1.2/v1.3[1], 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
IP67- and NEMA 4X-rated
Aluminum casing
Color: white NCS S 1002-B
For repainting instructions, go to the product's support page. For information about the impact on warranty, go to *axis.com/warranty-implication-when-repainting*.
This product can be repainted.

Mounting
Wall mount
Pole mount

Power
100–240 V AC, 3.7A AC, 50/60 Hz

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

PoE output
IEEE 802.3bt Type 4 Class 8, max 90 W output
PoE power budget: 270 W

1. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Connectors
PoE ports
RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE (4x)
Data ports/Uplink
10GBASE-LR/SR SFP+ (2x)
Power
AC input (1x)

Surge protection
6kV on all network ports and AC lines

Operating conditions
Temperature: -40 °C to 50 °C (-40 °F to 122 °F)
Humidity: 10–90% RH (non-condensing)

Storage conditions
Temperature: -40 °C to 85 °C (-40 °F to 185 °F)
Humidity: 0–95% RH (non-condensing)

Dimensions
For the overall product dimensions, see the dimension drawing in this datasheet.
Effective Projected Area (EPA): 0.17 m^2 (1.83 ft^2)

Weight
4110 g (9.1 lb)

Box content
Unit, installation guide, power connector

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-d8204-e#part-numbers*

Optional accessories

Installation
AXIS T86 SFP Modules, AXIS TD89 SFP Modules, Axis steel straps

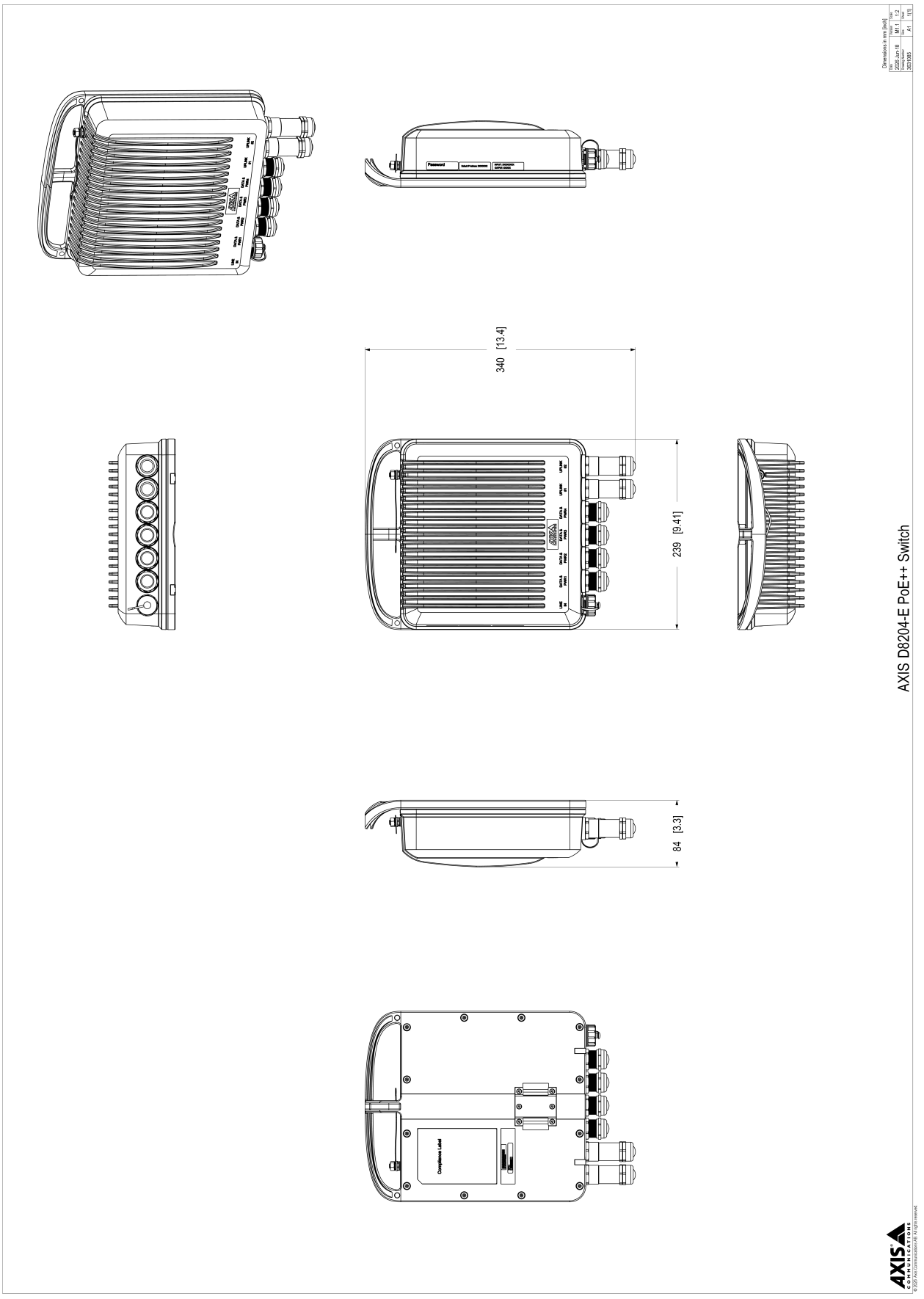
For more accessories, go to *axis.com/products/axis-d8204-e#compatible-products*

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*



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