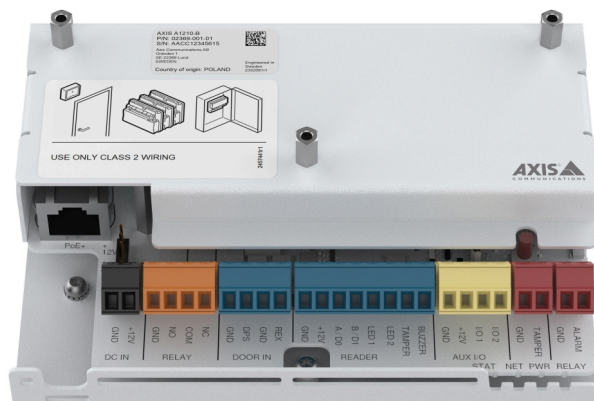


AXIS A1210-B Network Door Controller

Compact barebone one door controller

AXIS A1210-B includes everything needed to control one door all powered by one PoE cable. Fully integrated within Axis end-to-end solutions, it's optimized for both small and large installations and supports flexible authentication using different types of credentials. Suitable for installation anywhere, this compact, competitively priced barebone unit offers fast and easy installation on walls. Plus, it's possible to stack units, ideal for installation in small spaces such as existing or newly installed cabinets. Furthermore, with built-in cybersecurity features, it prevents unauthorized access and safeguards your system.

- > [Complete control for one door](#)
- > [Flexible installation options](#)
- > [Intelligence on the edge](#)
- > [Built-in cybersecurity features](#)
- > [Fully integrated within Axis end-to-end solutions](#)



AXIS A1210-B Network Door Controller

Door controller

| | |
|---------------------|---|
| Readers | Up to 2 OSDP readers (multi-drop) or 1 Wiegand reader per controller OSDP Secure Channel supported OSDP Secure Profile verified |
| Doors | 1 wired door Support for integrating up to 16x ASSA ABLOY Aperio® wireless lock technology |
| Credentials | Third-party access management software depending on server capacity Up to 250 000 credentials stored locally |
| Event buffer | Qualified for up to 250 000 events stored locally |

Power

Power in: 12 V DC, max 36 W, or
Power over Ethernet (PoE) IEEE 802.3at, Type 2 Class 4
Power out lock: 12/24 V, jumper configurable
Powered by PoE: max 900 mA at 12 V DC, max 450 mA at 24 V DC
Powered by DC: max 1600 mA at 12 V DC, max 800 mA at 24 V DC
Power out reader: 12 V DC, max 500 mA
Total power budget for peripheral devices (locks, readers etc.):
2100 mA at 12 V if powered by DC, 1400 mA at 12 V if powered by PoE Class 4

I/O interface

| | |
|-------------------------|---|
| Reader | Power output: 12 V DC, max 500 mA Data: OSDP, Wiegand I/O: Three open drain outputs, max 30 V, 100 mA each One supervised input |
| Door | Power output: 12/24 V DC, jumper configurable I/O: REX and door position sensor supervised inputs Output relay: 1x relay NO/NC, max 2 A at 30 V DC, resistive |
| Auxiliary | DC output: 12 V, 50 mA I/O: Two ports, configurable inputs or outputs |
| External | External tamper supervised input Alarm supervised input |
| Supervised input | Configurable input for reader interface, door REX input, door position sensor input, and AUX Programmable end-of-line resistors, 1 K, 2.2 K, 4.7 K and 10 K, 1 %, ¼ watt standard One unsupervised input dedicated for cabinet tamper |

Cable requirements

Wire size for connectors: CSA: AWG 28–16, CUL/UL: AWG 30–14
DC power and relay: AWG 18–16
Ethernet and PoE: STP CAT 5e or higher
Reader data (RS485): 1 twisted pair with shield, 120 ohm impedance, qualified for up to 1000 m (3281 ft)
Reader data (Wiegand): Qualified for up to 150 m (500 ft)
Reader powered by controller (RS485): AWG 20–16, qualified for up to 200 m (656 ft)^a
Reader powered by controller (Wiegand): AWG 20–16, qualified for up to 150 m (500 ft)^b
I/Os as inputs: Qualified for up to 200 m (656 ft)

System on chip (SoC)

Memory 512 MB RAM, 2 GB Flash

Network

| | |
|--------------------------|--|
| Network protocols | IPv4, IPv6, HTTP, HTTPS ^c , TLS ^c , QoS Layer 3 DiffServ, SMTP, mDNS (Bonjour), UPnP ^d , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SOCKS, SSH, MQTT v3.1.1, Syslog |
|--------------------------|--|

System integration

| | |
|--|---|
| Application Programming Interface | Open API for software integration, including VAPIX®, metadata and AXIS Camera Application Platform (ACAP); specifications at axis.com/developer-community . ACAP includes Native SDK. One-click cloud connection |
| Video management systems | Compatible with AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms |
| Tamper detection | Removal of unit cover/tamper front Reader tamper |

Tilting, vibration

Approvals

Product markings UL/cUL, KC, VCCI

Supply chain TAA compliant

EMC EN 55035, EN 55032 Class B, EN 61000-3-2, EN 61000-3-3
Korea: KC KN32 Class B, KC KN35

Safety IEC/EN/UL 62368-1, IEC/EN 60950-1, UL 2043, UL 294

Cybersecurity

Edge security Software: Signed firmware, brute force delay protection, digest authentication, password protection
Hardware: Axis Edge Vault cybersecurity platform
Secure element (CC EAL 6+), secure keystore, secure boot

Network security IEEE 802.1X (EAP-TLS)^c, IEEE 802.1AR, HTTPS/HSTS^c, TLS v1.2/v1.3^c, Network Time Security (NTS), X.509 Certificate PKI, IP address filtering

Documentation *AXIS OS Hardening Guide*
Axis Vulnerability Management Policy
Axis Security Development Model
To download documents, go to axis.com/support/cybersecurity/resources
To read more about Axis cybersecurity support, go to axis.com/cybersecurity

General

Casing Aluminum
Color: white NCS S 1002-B

Mounting Cabinet mount^d
DIN rail mount^d
Stack mount^d

Connectors Network: Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE
I/O: Terminal blocks for DC power, inputs/outputs, RS485/Wiegand, relay. Detachable and color coded connectors for ease of installation.
Wire size for connectors: CSA: AWG 28–16, CUL/UL: AWG 30–14

Operating conditions 0 °C to 70 °C (32 °F to 158 °F)
Humidity 20–85% RH (non-condensing)

Storage conditions -40 °C to 70 °C (-40 °F to 158 °F)

Dimensions For the overall product dimensions, see the dimension drawing in this datasheet.

Weight 425 g (0.9 lb)

Box content door controller, installation guide, connector kit (mounted), grounding kit, cable ties

Optional accessories AXIS TA4711 Access Card
AXIS TA4712 Key Fob
AXIS TA1801 Top Cover
AXIS TA1901 DIN Rail Clip
AXIS TA1902 Access Control Connector Kit^e
AXIS TQ1808-VE Surveillance Cabinet^e
AXIS 30 W Midspan^e
AXIS 30 W Midspan AC/DC^e
AXIS T8006 PS12^e
For more accessories, go to axis.com/products/axis-a1210-b

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

Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese

Warranty 5-year warranty, see axis.com/warranty

Part numbers Available at axis.com/products/axis-a1210-b#part-numbers

Sustainability

Substance control PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard J5709
RoHS in accordance with EU RoHS Directive 2011/65/EU and EN 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

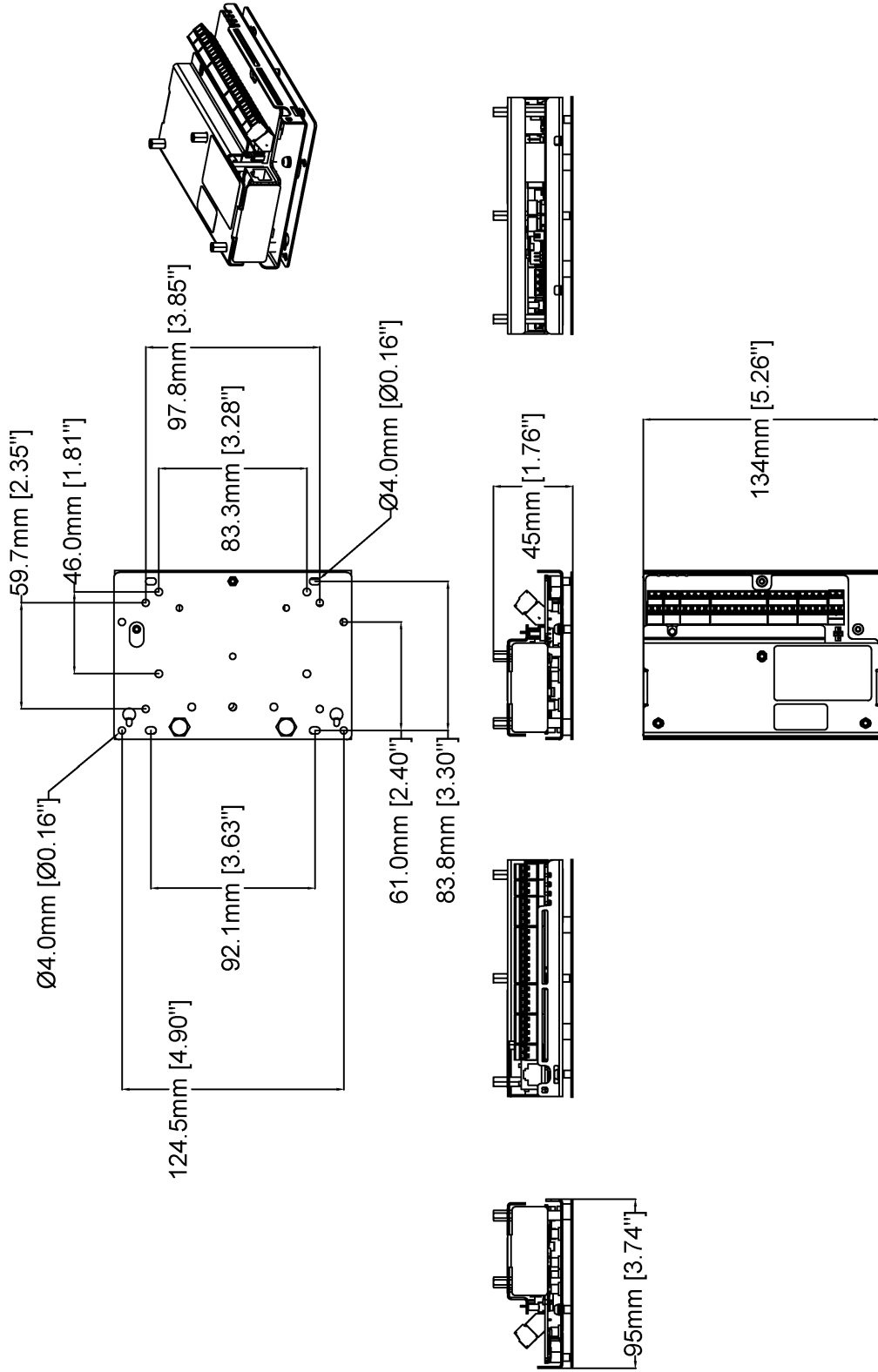
Environmental responsibility

axis.com/environmental-responsibility

Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org

- a. *Depending on the reader's voltage and current input range. Evaluated with A4020-E and A4120-E.*
- b. *Depending on the reader's voltage and current input range.*
- c. *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).*
- d. *Shall be mounted in UL listed UL 294 enclosure with tamper switch.*
- e. *Not intended for UL 294*

Dimension drawing



Highlighted capabilities

Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, **secure boot** ensures that a device can boot only with **signed OS**, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the **secure keystore** is the critical building-block for protect-

ing cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc.) against malicious extraction in the event of a security breach. The secure keystore and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

To read more about Axis Edge Vault, go to axis.com/solutions/edge-vault.

For more information, see axis.com/glossary