

AXIS A1210-B Network Door Controller

Door controller		Documentation	<p><i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity</p>
Readers	Up to 2 OSDP readers (multi-drop) or 1 Wiegand reader per controller OSDP Secure Channel supported	General	
Doors	1 door	Casing	Aluminum Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Credentials	Qualified for up to 250 000 credentials stored locally	Sustainability	PVC and BFR/CFR free
Event buffer	Qualified for up to 250 000 events stored locally	Memory	512 MB RAM, 2 GB Flash
Power	<p>Power in: 12 V DC, max 36 W, or Power over Ethernet (PoE) IEEE 802.3at, Type 2 Class 4 Relay: 1x relay NO/NC, max 2 A DC Power out lock: 19.2 W if powered by DC, 10.8 W if powered by PoE Class 4 (12/24 V, jumper configurable) Power out reader: 12 V DC, max 6 W 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</p>	Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE Terminal blocks: DC power, 12 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
I/O interface		Operating conditions	0 °C to 70 °C (32 °F to 158 °F) Humidity 20–85% RH (non-condensing)
Reader	DC output: 12 V, max 500 mA Data: OSDP, Wiegand I/O: Three open drain outputs, max 30 V, 100 mA each One supervised input	Storage conditions	–40 °C to 70 °C (–40 °F to 158 °F)
Door	DC output: 12/24 V, jumper configurable Power output: See the Power section I/O: REX and door position sensor supervised inputs Output relays: one relay, Form-C contacts: 2 A at 30 V DC, resistive	Approvals	<p>EMC EAC, EN 55035, EN 55032 Class B, EN 50130-4, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class B, KC KN35</p> <p>Safety IEC/EN/UL 62368-1, UL 294, UL 2043</p> <p>Environment NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78</p> <p>Others CSA C22.2 No. 205-1983</p>
Auxiliary	DC output: 12 V, 50 mA I/O: Two ports, configurable inputs or outputs	Dimensions	134 x 95 x 45 mm (5.3 x 3.7 x 1.8 in)
External	External tamper supervised input Alarm supervised input	Weight	425 g (0.9 lb)
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	Mounting	Cabinet mount DIN rail mount Stack mount
Cable requirements	<p>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)</p>	Included accessories	Installation guide, connector kit (mounted), grounding kit, cable ties
Network		Optional accessories	AXIS TA4701 Access Card AXIS TA4702 Key Fob AXIS TA1801 Top Cover AXIS TA1901 DIN Rail Clip AXIS TA1902 Access Control Connector Kit AXIS TQ1808-VE Surveillance Cabinet AXIS 30 W Midspan AXIS 30 W Midspan AC/DC AXIS T8006 PS12 For more accessories, see www.axis.com
Network protocols	IPv4, IPv6, HTTP, HTTPS ^c , TLS ^c , QoS Layer 3 DiffServ, SMTP, mDNS (Bonjour), UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SOCKS, SSH, MQTT v3.1.1, Syslog	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese
Events		Warranty	5-year warranty, see axis.com/warranty
Tamper detection	Removal of unit cover/tamper front Reader tamper Tilting, vibration		
Cybersecurity			
Edge security	<p>Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Secure boot, Axis Edge Vault with secure keystore (CC EAL6+ certified hardware protection of cryptographic operations)</p>		
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		

- 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 (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility