

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	
Doors	1 door	
Credentials	Qualified for 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 Relay: 1x relay NO/NC, max 2 A DC Power out lock: 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	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	
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	
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)	
Network		
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, RTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SOCKS, SSH, MQTT v3.1.1, Syslog	
Events		
Tamper detection	Removal of unit cover/tamper front Reader tamper Tilting, vibration	
Cybersecurity		
Edge security	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)
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 For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.	
Sustainability	PVC and BFR/CFR free	
Memory	512 MB RAM, 2 GB Flash	
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	
Operating conditions	0 °C to 55 °C (32 °F to 131 °F) Humidity 20–85% RH (non-condensing)	
Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F)	
Approvals	EMC EAC, EN 55035, EN 55032 Class B, EN 50130-4, EN 61000-3-2, EN 61000-3-3, KC KN32 Class B, KC KN35 Safety IEC/EN/UL 62368-1, IEC/EN 60950-1 Environment NEMA TS 2 (2.2.7–2.2.9)	
Dimensions	134 x 95 x 45 mm (5.3 x 3.7 x 1.8 in)	
Weight	425 g (0.9 lb)	
Mounting	Cabinet mount DIN rail mount Stack mount	
Included accessories	Installation guide, connector kit (mounted), grounding kit, cable ties	
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	
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese	
Warranty	5-year warranty, see axis.com/warranty	

- Depending on the reader's voltage and current input range. Evaluated with A4020-E and A4120-E.
- Depending on the reader's voltage and current input range.
- 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).