

AXIS A4120-E Reader with Keypad

Secure RFID reader with keypad

Designed to perfectly match Axis network door controllers and Axis credentials, AXIS A4120-E Reader with Keypad offers secure and seamless entry. Ideal for use in harsh environments both indoors and outdoors, this keypad reader is easy to install on single-gang boxes, or mounted on the wall. It supports most types of smart RFID card standards with 13.56MHz credential technologies and includes out-of-the-box support for Open Supervised Device Protocol (OSDP) for secure bidirectional communication. Packed with built-in cybersecurity features, it helps prevent unauthorized access and safeguards your system. Furthermore, this smart reader supports Secure Channel Protocol (SCP) enabling secure communications and connections.

- > [Designed to perfectly match Axis door controllers and credentials](#)
- > [Support for most RFID cards with 13.56MHz](#)
- > [IP66, IK07 ratings for use in harsh environments](#)
- > [EAL6+ Certified Secure Element for added protection](#)
- > [Intuitive keypad offers unlimited touches](#)



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RFID reader	
Reader technology	13.56 MHz ISO14443A and ISO14443B (MIFARE Classic®, MIFARE Plus® (Level 1), MIFARE DESFire® EV1 and EV2).
Network protocols	Open supervised device protocol (OSDP)
Alarm status indication	RGB LED for user feedback, buzzer
Tampering	
Detection type	Built-in tamper switch for detecting both open casing and removal from wall
Cybersecurity	
Edge security	Hardware: Secure boot, Axis Edge Vault with Axis device ID
Documentation	<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
General	
Keypad	Capacitive touch, 3x4 layout
Casing	IP66 and NEMA 4X-rated, IK07 plastic casing, hard-coated scratch- and impact-resistant front Color: black NCS S 9000-N
Mounting	Suitable for single-gang box door installations or any at surface mounting
Security	EAL 6+ Certified Secure Element Hardware
Power	Input: 12 V DC Current consumption: Typical 85 mA@12 V, peak 120 mA@12 V Held strength = 17.5 dBµA/m @3m
Connectors	4-pin 26–18 AWG terminal block for RS485 (A/B) and power (+/-)
Cable requirements	Power: 26–18 AWG (0.13–0.82 mm ²) Reader data: 1 twisted pair with shield, 26–18 AWG (0.13–0.82 mm ²), 120 ohm impedance, for A and B. Qualified for up to 1000 m (3281 ft) – 24 AWG.
Operating conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC EN 55032 Class B, EN 61000-6-1, EN 61000-6-3, FCC Part 15 Subpart B Class B Wireless EN 300330, EN 301489-1, EN 301489-3, EN 50364, EN 62311, FCC Part 15 Subpart C Safety CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, UL 294 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK07, NEMA 250 Type 4X
Dimensions	121 x 85 x 27 mm (4.76 x 3.35 x 1.06 in)
Weight	258 g (9.10 oz)
Warranty	5-year warranty, see axis.com/warranty