

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**



AXIS A4120-E Reader with Keypad

RFID reader

Reader technology

13.56 MHz ISO14443A and ISO14443B (MIFARE Classic®, MIFARE Plus® (Level 1), MIFARE DESFire® EV1, EV2, and EV3).

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: Axis Edge Vault cybersecurity platform
Secure element (CC EAL 6+), secure keystore, secure boot

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

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 flat 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

H-field 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 mm²)

Reader data: 1 twisted pair with shield, 26–18 AWG (0.13–0.82 mm²), 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

Cybersecurity

EN 18031-1

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