

AXIS A4020-E Reader

Contactless, secure RFID reader

Designed to perfectly match Axis network door controllers and Axis credentials, AXIS A4020-E Reader offers secure and seamless touch-free entry. Ideal for use in harsh environments both indoors and outdoors, it features a mullion-mount design to fit perfectly in narrow spaces and door frame installations. 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**
- > **IP65, IK07 ratings for use in harsh environments**
- > **EAL6+ Certified Secure Element for added protection**
- > **Mullion-mount design for easy installation**



AXIS A4020-E Reader

RFID reader		Operating conditions
Reader technology	13.56 MHz ISO14443A and ISO14443B (MIFARE Classic®, MIFARE Plus® (Level 1), MIFARE DESFire® EV1 and EV2).	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–100% RH (condensing)
Supported protocols	Open supervised device protocol (OSDP)	Storage conditions
Alarm status indication	RGB LED for user feedback, buzzer	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Tampering		Approvals
Detection type	Built-in tamper switch for detecting both open casing and removal from wall	EMC 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 62311, FCC Part 15 Subpart C
General		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
Casing	IP65 and NEMA 4X-rated, IK07 plastic casing, hard-coated scratch- and impact-resistant front Color: black NCS S 9000-N	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 IP65, IEC/EN 62262 IK07, NEMA 250 Type 4X
Mounting	Suitable for mullion-mount door installations or any flat surface mounting	Dimensions
Security	EAL 6+ Certified Secure Element Hardware	121 x 48 x 27 mm (4.76 x 1.89 x 1.06 in)
Power	Input: 12 V DC Current consumption: Typical 60 mA@12 V, peak 100 mA@12 V H-field strength = 0.001549 mW@3m	Weight
Connectors	4-pin 26–18 AWG terminal block for RS485 (A/B) and power (+/-)	118 g (4.16 oz)
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.	Warranty
		5-year warranty, see axis.com/warranty

Environmental responsibility:

[axis.com/environmental-responsibility](https://www.axis.com/environmental-responsibility)