AXIS A4612 Network Bluetooth® Reader

Bluetooth reader for easy, flexible access

Fully integrated within Axis end-to-end solutions, this sleek and durable Bluetooth reader offers convenient access using your mobile phone. It also supports most types of RFID card standards with 13.56MHz credentials. Easy to install in tight spaces, this IP55-rated device is ready for installation both indoors and outdoors. And the glass front panel is scratch-resistant. With PoE, you can connect to the closest network switch with a single cable for both power and connectivity – no need to wire back to the door controller. Plus, it offers remote maintenance possibilities over the network, with lower costs and higher security.

> **Convenient and reliable access solution**
> **Supports mobile access and RFID cards**
> **Mullion-mount design for easy installation**
> **Complete interface for one door powered by IP**
> **Fully integrated within Axis end-to-end solutions**

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Reader

Bluetooth
Bluetooth[1] version: 5.0 Low Energy
Bluetooth profile: Proximity Profile (PXP)
Short range: configurable up to 3 m (9.8 ft)[2]
Long range: configurable up to 10 m (32.8 ft)[2]
Security: RSA-1024, AES-128 encryption
Operation Mode: touch on reader, tap in app
Mobile application support: AXIS Mobile Credential

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

RF transmit power
Bluetooth Low Energy (2402-2480 MHz): maximum
11.11 dBm (EIRP)
125 kHz: maximum -47.2 dBm (ERP)
13.56 MHz: maximum -36.1 dBm (ERP)

Touch button
Capacitive touch

Alarm status indication
RGB LED for user feedback, buzzer

Tampering

Detection type
Built-in tamper switch for detecting removal from wall
or back plate.

Power

Power in: 12 V DC, max 12.0 W, or
Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 3

I/O interface

Output
Active output: 8 to 12 V DC, max 600 mA
Relay: 1x relay NO/NC, max 1 A 30 V DC

Input
2x digital inputs

Network cables
Cable length: 2.9m pigtail

General

Network protocols
HTTP, HTTPS[3], SMTP, TFTP DHCP opt. 66, Syslog

Casing
IP55-rated
Plastic casing, hard-coated front glass
Color: black

Mounting
Suitable for any flat surface mounting with applicable
accessories

Operating conditions
-40° C to 60 °C (-40° F to 140 °F)
Humidity 10–95% RH (non-condensing)

Storage conditions
-40 °C to 65 °C (-40 °F to 149 °F)
Humidity 5–95% RH (non-condensing)

Dimensions
For the overall product dimensions, see the dimension
drawing in this datasheet.
Effective Projected Area (EPA): 0.007 m² (0.02 ft²)

Weight
500 g (1.1 lb)

Box content
Reader, installation guide, TORX® T10 L-key

Optional accessories
AXIS TA4601 Surface Mount, AXIS TA4602 Installation
Back Box, 2N Security Relay
For more accessories, go to *axis.com/products/axis-a4612#accessories*

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1. *The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Axis Communications AB is under license. Other trademarks and trade names are those of their respective owners.*
2. *This distance varies depending on the phone model and installation environment.*
3. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

System tools
AXIS IP Utility, product selector, accessory selector
Available at *axis.com*

Languages
English, German, French, Spanish, Italian, Japanese, Dutch, Czech

Warranty
5-year warranty, see *axis.com/warranty*

Part numbers
Available at *axis.com/products/axis-a4612#part-numbers*

Approvals

Product markings
UL/cUL, CE, KC, VCCI, RCM, FCC, MIC, GITEKI(R), NCC

Supply chain
TAA compliant

EMC
EN 55032 Class B
Japan: VCCI Class B
USA: FCC Part 15 Subpart B Class B

Safety
IEC/EN/UL 62368-1 ed. 3, EN 62311

Environment
IEC/EN 60529 IP55

Wireless
EN 300330, EN 300328, EN 301489-1, EN 301489-3, EN 301489-17, MIC, WPC, EN 62479

Sustainability

Substance control
PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709
RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018
REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see *echa.europa.eu*

Materials
Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*

Environmental responsibility
axis.com/environmental-responsibility
Axis Communications is a signatory of the UN Global Compact, read more at *unglobalcompact.org*

133mm [5.23"]

50mm [1.96"]

2900mm [1141.73"]

27mm [1.07"]

Ø4.4mm [Ø0.17"]

52mm [2.03"]

Revision	v.01	Revision date	2024-05-14
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