

# 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



# AXIS A4612 Network Bluetooth® Reader

## Reader

### Bluetooth

Bluetooth<sup>1</sup> version: 5.0 Low Energy  
Bluetooth profile: Proximity Profile (PXP)  
Short range: configurable up to 3 m (9.8 ft)<sup>2</sup>  
Long range: configurable up to 10 m (32.8 ft)<sup>2</sup>  
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<sup>3</sup>, 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 m<sup>2</sup> (0.02 ft<sup>2</sup>)

### 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  
For more accessories, go to [axis.com/products/axis-a4612#accessories](http://axis.com/products/axis-a4612#accessories)

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](http://openssl.org)), and cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).

## System tools

AXIS IP Utility, product selector, accessory selector  
Available at [axis.com](http://axis.com)

## Languages

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

## Warranty

5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

## Part numbers

Available at [axis.com/products/axis-a4612#part-numbers](http://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](http://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](http://axis.com/about-axis/sustainability)

## Environmental responsibility

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

Axis Communications is a signatory of the UN Global  
Compact, read more at [unglobalcompact.org](http://unglobalcompact.org)

