

AP4003X 4-in-1 Reader interface

Nedap's AP4003X solution offers maximum security for 4 or more doors at reduced cost. In combination with the AP4803X unit and controller, it can be used to provide security at up to 32 doors. This 4-in-1 reader interface makes it possible to seamlessly integrate virtually all current badge technologies such as Barcode, HID and Mifare, with the use of Wiegand, Omron, RS232 and similar communication methods. Existing systems can migrate to AEOS with no problem, so there is no need to replace existing badges and badge readers.

The AP4003X provides a perfect, cost-effective solution for situations in which several doors in an area or building have to be secured using a specific reader technology.

- 4 Reader interfaces in one compact unit
- Suitable for commonly used technologies such as Wiegand, Omron, Barcode and RS232/485
- Comprehensive security for 4 doors
- Integrates a variety of cards in one system
- System upgrade while retaining cards and card readers
- 8 Freely programmable digital input ports
- 4 Configurable relay outputs



Flexible security for multiple doors

The AP4003X contains four reader interfaces. The standard version is used for access control at four doors. Security at additional doors can be conveniently provided by combining the AP4003X with the AP4803X or AP8001X modules.

The functionality of the AP4003X is defined by its software components. This means that the system can be configured to meet your needs quickly, conveniently and without problems – now and in the future. For example, additional functionality such as In/Out registration can be added at any time you wish.

If an organisation uses various types of badge for its employees and visitors, it is possible to add a module for an entrance, with the protocol for the desired badge/reader technology (e.g. a barcode reader).

Advanced security technology

The AP4003X is equipped with eight freely programmable digital input ports for the connection of sensors and contacts, such as a door contact or for manual opening. In addition, there are four freely configurable relay outlets for door lock operation or an alarm. Via the software, the entrances can be programmed and checked for sabotage or malfunctions.

Protocols

The AP4003X can handle virtually all currently used protocols. Data from badges is processed using special protocols, such as Omron or Wiegand, regardless of the method used for reading. Because AEOS deals with every type of badge individually, badges such as Legic, Mifare, I-Code or HID can be integrated safely and easily.

Ease of installation and management

The AP4003X is easily mounted directly on the wall. After a short course of basic training, your technical staff can install the hardware, configure the software via the web server and then even immediately check that the connection is working properly.

Bus length up to 1000 m

With a length of 1000 metres, the AEbus makes it possible to secure more distant doors and the associated equipment. Additional RS232 port (e.g. for integrated pincode terminal).

See overleaf for technical specifications >>

Technical specifications AP4003X



Product number	9854460
Detection range	Depends on the technology and badge reader
Housing	Aluminium and steel
Dimensions	230 x 345 x 70 mm. (LxWxH) – excl. DIN rail
Weight	~2700 g.
Temperature	Operating temperature: 0 – 55°C; storage: -30 – 65°C
Cabling	- 1000 m (4000 series), 2 x 2 x 0.5 mm ² (3 x 2 x 0.5 mm ² incl. power supply), screened - Contacts and sensors: Max. 100 m, 2 x 0.25 mm ² - Reader connection: depends on the make of reader that is used
Badges	Magnetic card, barcode, Mifare, Legic, HID and others
Interfaces	Omron, Wiegand and RS232/485
Input ports	8; monitored, freely definable, intended for potential free contact
Output ports	4; Potential free NO/NC/COM contact with configurable functions
Power consumption	10-35V DC, 500 mA @ 12V DC, excl. lock

Your AEOS certified reseller:

