AP4803X
4-in-1 Reader Interface with Processing Unit

The AP4803X combines IP-based access control with a processing unit and 4 reader interfaces, enabling up thirty-two doors to be secured (for example, using the AP1002 hands-free reader or additional AP4003X 4-in-1 reader interfaces). This 4-in-1 card reader makes it possible to seamlessly integrate virtually all current card technologies such as Barcode, HID and Mifare, with the use of Wiegand, Omron, RS232 and similar communication protocols. Existing systems can migrate to AEOS with no problem, so there is no need to replace existing cards and card readers.

The AP4803X provides a perfect, cost-effective solution for every situation in which several doors in an area or building have to be secured using a certain type of reader technology.

- 4 Reader interfaces with integrated processing unit in one compact solution
- Compatible with commonly used card reading and communication technologies such as Wiegand, Omron, Barcode and RS232/485
- Compatible with virtually all current types of reader
- IP-based and suitable for use with all other AEOS modules
- Provides security at up to 32 doors
- 8 Freely programmable digital input ports
- 4 Configurable relay outputs
- Additional RS232 port

Flexible Security for Multiple Doors

The AP4803X incorporates four reader interfaces. It is normally used to provide access control at four doors but can be combined with (for example) the AP4003X to increase the number of secure doors. Additional functionality such as in/out registration can be added quickly and easily, accord-ing to the customer's wishes.

The capacity of the AP4803X can be expanded by adding, for example, additional AP4003X 4-in-1 reader interfaces. In this way, a single AP4803X can provide security at up to 32 doors without the need to purchase an extra processing unit. If an organisation uses various types of card for its employees and visitors, it is possible to add a module for an entrance, with the protocol for the card/reader technology that is used there (e.g. a barcode reader).

Advanced Security Technology

The AP4803X is equipped with eight freely programmable digital input ports for the connection of sensors sond 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, these entrances and exits can be programmed and checked for sabotage or malfunctions.

Protocols

The AP4803X can handle virtually all currently used protocols. Data from cards is processed using special protocols, such as Omron or Wiegand, regardless of the method used for reading. Because AEOS deals with every type of card individually, cards such as Legic, Mifare, I-Code or HID can be integrated safely and easily.

Secure Network Communication

Via the IP interface, AEOS can communicate with IP-based equipment in the network. This creates an extremely secure form of access control, with the integration of all existing analogue or digital sensors and alarm control systems. For example, it allows CCTV or fire and intruder detection modules to be integrated extremely easily. The user-friendly AEOS security management solutions offer the modern security

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manager all the hardware and software options he or she could need.

Cost-effective Remote Control

The user-friendly AEOS management software provides a full overview of the configuration, including all components and status reports; furthermore, it enables you to maintain the system parameters remotely. This cuts maintenance costs, and the time spent by maintenance technicians travelling and on site is reduced to a minimum.

Ease of Installation and Management

The AP4803X reader interface module can be wall-mounted. After a short, simple basic training, your technical staff can install the hardware and check that the connections are correct. This can be done entirely regardless of system availability.

Bus Length up to 1000 m

With regard to wiring and positioning, the 1000-metre AEbus cabling enables flexible integration of various doors and the associated equipment. Additional RS232 port (e.g. for integrated pincode terminal).

Technical specifications AP4803X

Product number	9854630
Detection range	Depends on the card readers
Housing	Aluminium and steel
Dimensions	230 x 345 x 70mm. (LxWxH) – excl. DIN rail
Weight	~2700 g
Temperature	Operating temperature: 0 – 55ºC; storage: -30 – 65ºC
Cabling	- 1000 m (AP4000 series), 2 x 2 x 0.5 mm^2 (3 x 2 x 0.5 mm^2 incl. power supply), shielded
	- Contacts and sensors: Max. 100 m, 2 x 0.25 mm^2
	- Reader connection: Depends on the make of reader that is used
Cards	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
Extra connection(s) for acoustic or optical signalling	1 x 5V DC, 500 mA

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