AP4807X

4-in-1 Mifare® badge readers with processing unit

The AP4807X combines IP-based access control with 4 Mifare badge readers. By adding extra badge readers (e.g. AP4007X 4-in-1 Mifare readers), up to 32 doors can be controlled. Unlike usual Mifare solutions, the active element of this reader is installed on the secure side to reduce the risk of sabotage to a minimum. As a result, all the sensitive components and data remain within the secure area. Apart from the Mifare serial number, it can also read an ID number from an encrypted sector of the Mifare badges. The intelligent heart of the AEOS security management systeem lies in the processing unit (the AEpu). This AEpu provides the connection between IP-based equipment in the LAN/WAN network and the access control system.

The AP4807X provides a perfect, cost-effective solution for every situation in which several doors in an area or building have to be secured using Mifare technology.

- 4 Mifare® badge readers with integrated processing unit
- IP-based and suitable for use with all other AEOS modules
- Separated badge reader and antenna functionality
- Can be expanded to cater for up to 32 doors
- 8 Freely programmable digital input ports
- 4 Configurable relay outputs

Scalable and innovative technology

The AP4807X incorporates four Mifare badge readers and is used as standard to secure four doors with Mifare readers. Additional functionality such as in/out registration can be added quickly and easily, according to the customer's wishes.

The capacity of the AP4807X can be expanded quickly and easily (with the addition, for example, of extra AP4007X 4-in-1 badge readers) to provide security at up to 32 doors with Mifare technology.

Nedap's mifare solution for maximum security

Mifare card readers are usually fitted with an integral antenna that is linked to the system by a standard communication interface. Due to the relatively short reading range, the entire card reader has to be installed on the unsecured side. This makes sabotage an easy task, so that security cannot be guaranteed. Nedap has applied its many years of experience in security and RFID to the development of the unique

AP4007X Mifare reader. With this device, the antenna and the active reader can be installed up to 30 cm apart. In this way, all the sensitive components and data (encryption and keys) remain within the secure area. An extremely secure application of Mifare technology, with data transfer from the secure to the unsecured side. Nedap has developed the RefleXS 130M antenna specially for this application.

Complete

The AP4807X 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. Monitoring of the digital inputs can be activated in the software. This makes it possible to check for sabotage, short circuits, interference or bridging. In addition, there are four freely configurable relay outlets for door operation or an alarm.

nedap®

Secure network communication

Via the IP, AEOS can communicate and integrate with IP-based equipment in the network. This creates an extremely secure form of access control, in which all existing analogue or digital sensors and alarm control systems are effectively used. 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 manager all the hardware and software options he or she could need.

Cost-effective remote control

The user-friendly AEOS management software provides a complete overview of the configuration, including all components and status reports. This also makes it possible to manage the system parameters remotely, thus reducing maintenance costs and travelling time of maintenance technicians to a minimum.

Tailor-made access control

Every current Mifare badge or Nedap combi-badge can be used with the AP4807X. Because the Nedap UniXS chip and the Mifare chip can both be used in Nedap combi-badges, it provides an extremely versatile solution for organisations that use a variety of badge technologies and require maximum security.

Ease of installation and management

The AP4807X Mifare badge reader 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 a length of 1,000 metres, the AEbus makes it possible to secure more distant doors and the associated equipment. Additional RS232 port (e.g. for integrated pincode terminal).

Technical specifications AP4807X

Product number	9854800
Detection range	Max. 50mm, depending on the card reader
Housing	Aluminium and steel
Dimensions	230 x 345 x 70mm. (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
	- Nedap RefleXS130M Mifare antenna, RG58U coax, up to 30 m.
Badges	Mifare, Nedap combi-badges
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, 1x RS232, 1000mA @ 12V DC, excl. lock
Max. configuration	7 x AP4xxxxX, 32 doors
Interface	1 x RS232

Your AEOS certified reseller:

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