AP4003x 4-in-1 reader interface

The AP4003X 4-in-1 reader interface allows use of a single integral system for multiple company sites that operate different card systems. Any existing systems can be migrated to AEOS without complication, and without having to replace existing cards and card readers.

- Extension set for AP4803 or AP8001
- Four reader interfaces in a single compact unit

Flexible security for multiple doors

The AP4003X contains 4 reader interfaces and is the standard solution for access control at four doors. The unit's functionality is defined by its software components, meaning that the system can be configured to meet your needs quickly and conveniently, now and in future. For example, additional functionality such as in/out registration can be added whenever required. If an organization uses different types of cards for employees and visitors, a module for a specific entrance can be added along with the protocol for the required card/reader technology.

Advanced security technology

The AP4003X is equipped with 8 digital inputs for connecting sensors and contacts. The freely definable inputs can be programmed via the software and monitored for sabotage or malfunctions. A further 4 freely configurable relay outputs are also available.

Protocols

The AP4003X handles virtually all commonly used protocols. Regardless of the method used for reading, card data is processed based on special protocols such as Omron or Wiegand. Because AEOS handles all card types separately, cards such as Nedap, Mifare, HID, Legic, HiTag or I-Code can be integrated securely and without complication.

Ease of installation and management

After a simple basic training course, technicians are capable of installing the hardware and checking connection integrity. The AP4003X is hot-swappable.

Bus length of up to 1000 m

The 1000 meter long connection bus (AEbus) allows inclusion of remote doors and the associated equipment in your security system.

Technical specifications

Dimensions	345 x 230 x 75 mm (LxWxH)
Weight	~2,7 kg
Housing	Aluminium and steel
Power supply	12 – 28 VDC (200 mA @ 24 VDC, 250 mA @ 12 VDC)
Environmental conditions	Temperature range: Operation: 0 - 55 °C. Storage: -30 - 65 °C Relative humidity: 10 - 93% (non-condensing)
Communication	4 x RS232/RS485 or 4 x Wiegand/Omron, (TTL inputs, voltage-free contact)
Inputs	8: monitored, freely definable, voltage-free contact
Outputs	4 relays; voltage-free contact (NO/NC) 8 LEDs: (open collector to GND, max. 20 mA)
Detection range	Depending on reader type
AEbus wiring	5 x 0.5 mm², shielded, max. 5 2 x 2 x 0.5 mm² shielded, max. 1000 m (without power supply) 3 x 2 x 0.5 mm² shielded, max. 1000 m (including power supply) 2 x 2 x 0.5 mm² shielded, max. 300 m using AX2002
Reader wiring	Depending on reader type - RS485: max. 1000 m; 2 x 0.25 mm² shielded - RS232: max. 15 m; 3 x 0.25 mm² shielded - Wiegand: max. 150 m; 3 x 0.25 mm² shielded
Wiring for contacts and sensors	Max. 100 m; n x 0,25 mm2
Power supply to external units	5 VDC (max. 500 mA total)

Article number

AP4003X	9854460

Subject to change without prior notification