

# AP4803X 4-in-1 reader interface with processing unit

The AP4803X combines IP-based access control with 4 reader interfaces and a processing unit to offer a capacity of up to thirty-two doors. Existing systems can be migrated to AEOS without complication, meaning that existing cards and card readers do not need to be replaced.

- Most powerful 4-in-1 reader interface on the market
- Fully programmable functionality
- Suitable for all commonly used card readers and technologies



## Flexible security for doors

The AP4803X contains four reader interfaces and is the standard solution for access control at four doors equipped with card readers. Capacity can be increased by adding extra AP4003X 4-in-1 reader interfaces. Consequently, a single AP4803X is capable of securing up to 32 doors.

## Advanced security technology

The AP4803X is equipped with 8 freely definable digital inputs for connecting sensors and contacts. In addition, 4 configurable relay outputs are available for a door interlock, alarm or other signal. These inputs and outputs can be programmed via the software and monitored for sabotage or malfunctions. The AP4803X is hot-swappable.

## Special 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 and I-Code can be integrated securely and without complication.

## Secure network communication

AEOS is capable of communicating with IP-based equipment via the IP interface. This results in an extremely secure form of access control and allows integration of all analog or digital sensors and alarm control systems.

### Cost-effective remote management

AEOS allows remote system parameter maintenance. This feature minimizes maintenance time and costs.

### Ease of installation and management

After a simple basic training course, technicians are capable of installing the hardware and checking connection integrity.

## Technical specifications

Dimensions	L x W x H: 345 x 230 x 75 mm
Weight	Approx. 2.7 kg
Housing	Aluminum and steel
Power supply	12 - 28 VDC (300 mA @ 24 VDC, 500 mA @ 12 VDC)
Power supply to external units	5 VDC (max. 500 mA total)
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, intended for voltage-free contact)
Inputs	8: monitored, freely definable, intended for voltage-free contact
Outputs	4 relays; freely definable, 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 mm <sup>2</sup> , shielded, max. 5 2 x 2 x 0.5 mm <sup>2</sup> shielded, max. 1000 m (without power supply) 3 x 2 x 0.5 mm <sup>2</sup> shielded, max. 1000 m (including power supply) 2 x 2 x 0.5 mm <sup>2</sup> shielded, max. 300 m using AX2002
Ethernet wiring	Max. 100 m; UTP CAT 5
Reader wiring	Depending on reader type - RS485: max. 1000 m; 2 x 0.25 mm <sup>2</sup> shielded - RS232: max. 15 m; 3 x 0.25 mm <sup>2</sup> shielded - Wiegand: max. 150 m; 3 x 0.25 mm <sup>2</sup> shielded
Wiring for contacts and sensors	Max. 100 m; n x 0.25 mm <sup>2</sup>

## Article number

AP4803X	9854630
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