

# AEOS AP4801X

## 4-in-1 Nedap Reader and Controller Unit

The AP4801X combines IP-based access control with a controller and 7 readers, enabling up to thirty-two doors to be secured (for example, using additional AP4001 4-in-1 reader units).

The AP4801X provides a perfect, cost-effective solution for all situations in which several doors in an area or building have to be secured using a specific reader technology.

- 4 Nedap readers with integrated controller in one compact solution
- Provides security at up to 32 doors
- IP-based and suitable for use with all other AEOS modules
- 8 freely programmable digital input ports
- 4 configurable relay outputs
- Additional RS232 Port

### 1 Unit Provides Security at 4 Doors

AEOS AP4801X is an access control unit with a controller and readers for four doors, using state-of-the-art communication technology. Additional functionality such as in/out registration can be added quickly and easily, according to the customer's wishes.

The capacity of the AP4801X can be expanded by adding up to 7 additional AP4001X 4-in-1 reader units. In this way, a single AP4801 can provide security at up to 32 doors without the need to purchase an extra processing unit.

### Advanced Security Technology

The AP4801X 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, these entrances and exits can be programmed and checked for sabotage or malfunctions.

### Secure Network Communication

Via the native IP interface, AEOS can communicate 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 can be implemented. 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.

If necessary, the system parameters can be managed remotely with complete safety, thereby reducing service and maintenance costs to a minimum.

### Ease of Installation and Management

The AP4801X reader interface module can be mounted on a wall or on a DIN rail. 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 large length of AEBus cabling enables flexible integration of various doors and the associated equipment.

See overleaf for technical specifications >>

## Technical specifications 4-in-1 Nedap reader and controller unit

Product number	9854320
Detection range	Max. 10 cm, depending on the antenna
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	- AEBus: Max. 1000 m (AP4001), 2 x 2 x 0.5mm <sup>2</sup> (3 x 2 x 0.5 mm <sup>2</sup> incl. power supply), screened - Contacts and sensors: Max. 100 m, 2 x 0.25 mm <sup>2</sup> - Antenna: 5 x 0.25 mm <sup>2</sup> , shielded; max. 50 m, capacity <100 PF/m
Badges	Nedap 120 KHz
Input ports	8; monitored, door contacts, intended for potential free contact
Output ports	4; potential free NO/NC/COM, lock control
Power consumption	10-35V DC, 10-25V AC, 600 mA @ 12V, excl. lock
Interface	1 x RS232

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