

## AP8001 AEpu Processing Unit



- Peer-to-peer communication
- 2 x RS232 Interface
- Remote maintenance and control
- Sabotage-proof
- Hot-swappable
- 10/100 MB
- LED status indicator

*The AP8001 is the distributed intelligence of the AEOS system. In this AEOS Processing Unit (AEpu), the user defines the desired local functionality by activating behaviour components. All authorisations for the connected readers are stored in the AEpu. Each AEpu can function as a stand-alone unit or can be connected to the IP network to communicate with other AEpus and IP-based devices in the network. This can be achieved without intervention of the AEOS server, with which the connected equipment also communicates by IP.*

### Tailor-made functionality

The user can determine the functionality of the connected AEpacks by activating the relevant AEOS behaviour components. This can be done locally or remotely. Behaviour components for access control, intruder detection, monitoring and control are connected to the configuration's various inputs and outputs and then activated. It is also possible to link and add behaviour components for extremely powerful and convenient function configurations. For example, you can set the system to switch off the lights automatically and activate the alarm system when no more movement is detected for a certain amount of time since someone checked out from the area after office hours. The programmed functionality can be modified or expanded remotely with a few simple mouse clicks.

### Distributed intelligence

The user-defined functionality and all authorisation profiles are stored in the AEpu itself. As a result, it can independently perform every function quickly and satisfactorily regardless of whether it has a link to the server and network. It communicates with other AEpus or IP-based network devices directly ('peer-to-peer') to execute the programmed tasks, without the intervention of the server. Events and alarms are communicated and, if required, stored locally in the AEpu. The distributed intelligence results in a solid security management solution that guarantees the optimum reliability of the system. An additional advantage

is that you can add in-contact monitoring, alarm control, in/out registration, APB, the 'four eyes' principle or security guard patrols at any of the branches of a business. The client-specific security management policy (e.g. search settings) can be effortlessly integrated into AEOS.

### Safe and efficient communication

The AEpu's native IP communication makes it possible to communicate directly with other IP-based devices in the network. A VPN (Virtual Private Network) connection is used to safeguard the integrity of the system. For secure use of the IP network, you can use a virtual LAN (V-LAN). Due to the distributed intelligence, the load on the network is minimal.

### Scalability

The AEOS architecture is entirely modular for maximum flexibility and scalability. This means that just about any requirement can be met with regard to functionality and the level of security. This applies to both the hardware and software modules. Because of the flexible architecture, the entire system can easily be modified and expanded as required by, for example, adding functionality or gradually raising the level of security.

The complete configuration can be programmed into the AEpu with a special configuration tool, before installation.

**See overleaf for technical specifications →**


AEOS automatically detects which devices are available in the network and the software components can then be allocated for the desired functionality.

### Ease of installation

The AP8001 can be mounted on a DIN rail and is hot-swappable. On installation, or in the event of a malfunction, it is simple to check whether modules are working properly and replace them if necessary. After short initial training, your technical staff can install the hardware and check that the connections are operational. This can be done even when the network is not available.

### Remote maintenance and control

Because the status of the AP8001 AEpu can be viewed and analysed remotely, any malfunctions can be restored faster and more efficiently.

Technical specifications		AP8001 
<b>Product number</b>		9836470
<b>Housing</b>		Aluminium and plastic
<b>Dimensions</b>		230 x 126 x 70 mm <sup>3</sup> (LxWxH) - excl. DIN rail
<b>Interface</b>		2 x RS232, 2 x 3 x 0.25 mm <sup>2</sup> , shielded; max. cable length 15 metres
<b>Weight</b>		~600g
<b>Temperature</b>		Operating temperature: 0 - 55°C; storage: -30 - 65°C
<b>Power consumption</b>		Max. 300 mA excl. lock
<b>Cabling</b>	AEbus	Max. 5 m; 300 m maximum with AX2002 AEbus extender (powered)
	AEbus cable	2 x 2 x 0.5 mm <sup>2</sup> , shielded
	LAN/WAN, Ethernet	Max. 100 m, CAT5
<b>Communication</b>		Ethernet, UTP 100/10 Mbps

Your AEOS-certified reseller: