

AP2003 Standard Power Supply



- Powers multiple AEpacks and peripherals
- 1.3A
- 110-240V AC input voltage
- Class 1 security
- LED status indicator
- Protected against short circuits

The AEOS AP2003 is an attractively priced and extremely reliable standard power supply. Depending on the peripherals that are connected, it can supply power to a number of AEOS modules. The AP2003 power supply complies with all the relevant quality requirements and is Class 1 secured.

Power for multiple modules and peripherals

The AP2003 can supply power to several AEOS modules simultaneously. The maximum number depends on the type of module and the peripherals that are connected. The voltage supplied to peripherals, such as locks and sensors, can be precisely adjusted to match the connected modules (5V, 12V or 24V). The table on the next page will help you to calculate the power consumption for the configuration you require. Make sure you include all external power consuming appliances in the calculation. It is further possible to link a number of AP2003s in series (see AP2003 Installation Manual).

Clear status indication

All relevant status information for the AP2003 is shown in a clear and comprehensive way with LED indicators.

Ease of installation

The AP2003 can be mounted on a DIN rail. 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 correct. This can be done entirely regardless of system availability.

Smart alternative

In addition to the AP2003 Standard Power Supply, the AEOS series also includes the microprocessor-controlled AP2001 smart power supply module. This smart module supplies electricity to the connected modules even when the mains


power fails. The internal charger keeps the batteries charged and checks their condition periodically to ensure the availability of emergency power in every situation. Furthermore, the AP2001 can monitor the power consumption by the connected modules and peripherals and give prior warning in the event of malfunctions.

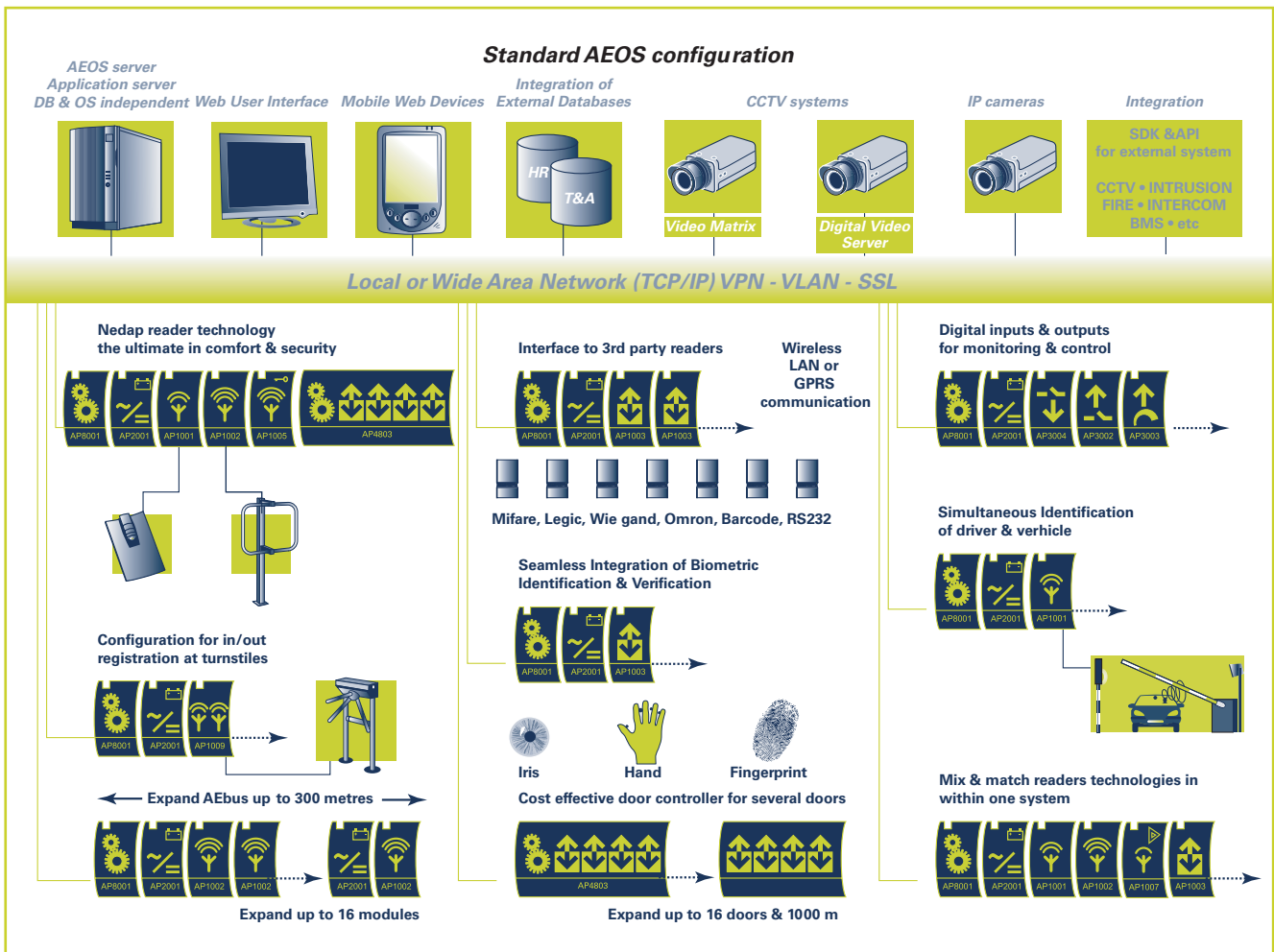
Sample calculation

AEpack	Internal consumption max. (mA) 24VDC	External consumption (mA) 12VDC	Total consumption (mA) (0.65x)
AP1001	150		
AP1002	250		250
AP1003	120		
AP1003	120		
AP1005	250		
AP1007	250		
AP1009	200		
AP3002	50	100	150
AP3003			
AP3004	125	200	325
AP8001	300		300
Total consumption	27VDC	(AEbus)	1025

NB: Do not forget to include all external power consuming appliances in the calculation. Do not run to maximum power.

See overleaf for technical specifications →

Technical specifications		AP2003 
Product number		9839720
Housing		Aluminium and plastic
Dimensions		230 x 126 x 70 mm ³ (LxWxH) - excl. DIN rail
Weight		~600g
Temperature		Operating temperature: 0 - 55°C; storage: -30 - 65°C
Mains input		110-240V AC (-10%+6%) 50/60Hz, (max. 0.85 Amp/110V AC, max 0.5 Amp/230V AC)
Cabling	AEBus	maximum 5 m; 300 m maximum with AX2002 AEBus extender
	AEBus cable	2 x 2 x 0.5 mm ² , shielded, max. 300 m
Bus extension		AX2002 AEBus extension, product number 7818386



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