

AP1013 Cabinet Lock Interface

The AP1013 Cabinet Lock Interface enables a unique integration between the Nedap locker management systems and the access control system AEOS. It allows you to get more out of your access control system. It also enables you to have the same level of management and monitoring capabilities as in AEOS, to protect the personal properties and confidential information that is stored in lockers or archive cabinets in your buildings.

- Locker Management in AEOS
- One single platform for access control and locker management
- One badge to get access to your office and to open lockers
- Tracing possibilities in AEOS
- For Nedap and MIFARE cards



Secure storage

In today's world there is a growing demand for secure storage of confidential information and personal properties. The use of different keys for different purposes can be hard to manage. Nedap has developed an integration between its Nedap locker management systems and its access control system AEOS. This means that you can use the same badge to open both doors and lockers. It also means that the management and monitoring features, formerly reserved for access control only, are now also available to create secure storage solutions.

Locker Management in AEOS

The AP1013 seamlessly integrates the proven electronic locks of the Nedap locker management program into the AEOS security management platform. Each lock has a built-in Nedap RF badge reader and can be installed into archive cabinets, technical cabinets and lockers. Up to 62 integrated locks can be connected to one AP1013. This all-in-one solution is easy to install and maintain.

Applications

The AEOS cabinet access solution can be used to secure cabinets with important and confidential information in office surroundings.

It is also a good solution for allocating lockers at flexible working environments.

One single platform

With the Cabinet Lock Interface one single platform can be used for both access control and locker management. The same badge can be used to access your office building and to open your locker or cabinet.

This makes AEOS cabinet access a very user-friendly solution.

Nedap LoXS

The AP1013 integrates Nedap Locker Management into AEOS. Nedap LoXS stands for carefree locker management. Unique to Nedap LoXS are its electronic locks with integrated card reader. This enables you to open the locker by presenting a card close to the lock. This is both intuitive and safe. However, not all the persons who should have access to the lockers or cabinets have an access badge, for example visitors. For these cases, it is possible that they operate the lockers in another way, for example with a PIN code.

See overleaf for technical specifications >>

AEOS features

The cabinets connected to AEOS can be treated as individual entrances. This means that each cardholder is assigned to one or more cabinets. In AEOS 2.2 it is also possible to use the locker management option (assign one cardholder to one locker). This way the status of the locker (e.g. free or taken) is made visible. Only free lockers can be assigned to cardholders.

MIFARE compatible

The latest version of the AP1013 Cabinet Lock Interface is compatible with the new Nedap LoXS MIFARE lock that was introduced in 2009. The module can support LoXS locks that read either Nedap cards or MIFARE cards and equivalents thereof.

Technical specifications AP1013 Cabinet Lock Interface (9854150)

Application	For use with either LoXS Locker Unit III (lock with integrated Nedap card reader) or LoXS MIFARE lock (with integrated MIFARE reader). Only one type of lock can be used at one AP1013 Cabinet Lock Interface.	
Housing	Aluminum and plastic	
Dimensions	230 x 126 x 70 mm	
Weight	~600 grams	
Indications	2 LEDs for communication 6 LEDs for error condition (e.g. power overload on lockers)	
Power consumption	<p>When in use with locks with integrated <i>Nedap card reader</i>:</p> <ul style="list-style-type: none"> • Max AEpack power consumption: 1200mA (27 VDC) • Average AEpack power consumption: 400mA @ 27VDC <p>When in use with locks with integrated <i>MIFARE card reader</i>:</p> <ul style="list-style-type: none"> • Max AEpack power consumption: 3000mA (27 VDC) • Average AEpack power consumption: 1900mA @ 27VDC 	
Locker power supply	<p>When in use with locks with integrated <i>Nedap card reader</i>, supplied from AP1013:</p> <ul style="list-style-type: none"> • 15VDC, max. 2000 mA (totally on the 6 locker bus connectors). • 15VDC, 1000 mA for locker outputs 1, 3, 5 and 1000 mA for 2, 4, 6. <p>When in use with locks with integrated <i>MIFARE card reader</i>, supplied from AP1013:</p> <ul style="list-style-type: none"> • 24VDC, max. 2000 mA (totally on the 6 locker bus connectors). • 24VDC, 600 mA per output. 	
Environment	Temperature	Operating 0 – 55 °C, storage -30 – 65 °C
	Relative humidity	10 – 93% non condensing
Cabling	Lockers	RJ10 Flat cable AP1013 to first locker: 10 meters, between lockers 3,50 meters
	AEBus	5 x 0,5 mm ² shielded, max cable length: 5 meters without additional power 2 x 2 x 0.5 mm ² shielded, max cable length: 5 meters without additional power AEpack More than 5 meters: use AX2002 (added on power AEpack)
Max # lockers	<p>When in use with locks with integrated <i>Nedap card reader</i>:</p> <ul style="list-style-type: none"> • Max. 31 lockers for outputs 1, 3, 5 and 31 lockers for outputs 2, 4, 6. • Total max. 62 lockers per AP1013. <p>When in use with locks with integrated <i>MIFARE card reader</i>:</p> <ul style="list-style-type: none"> • Max. 15 lockers per output. • Total max. 62 lockers per AP1013. 	

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