

The Aperio® technology at a glance

Aperio® devices



Electronic knob cylinder
with RFID-Reader functionality,
battery operated



Communication hub
connected via Wiegand interface or
RS485 to the EAC system



Electronic escutcheon
with RFID-Reader functionality,
battery operated



PAP-Tool
Software for installation and
programming Aperio® devices





Electronic Lock
with RFID-Reader functionality,
battery operated

Advantages

- Globally available technology
- Easy integration into most Electronic Access Control (EAC) systems
- Creation of access point within existing or new EAC systems without the necessity of wiring
- Wireless online communication, i.e. no need to install any wires at the door
- AES 128 encryption - radio and internal
- Open communication protocol via RS485 interface or connectable via Wiegand interface
- Escutcheon/lock: secure electronics inside
- Cylinder: secure electronics in the core
- Status indication with LEDs (Red/Green/Orange)
- Battery lifetime approximately > 40.000 cycles (for max. 3 years), Locks: ≥ 50.000 cycles
- Clutch mechanism inside
- Simple and quick installation
- Online access control - decision is made in the EAC system
- Offline access control - decision is made by the device based on information stored on user credential

Supported RFID technologies

	iCLASS® ISO 14443B	✓
MIFARE™	MIFARE classic	✓
MIFARE™	MIFARE plus	✓
MIFARE™	MIFARE DESFire	✓
	(HID PROX / EM410x)	✓
	Low Frequency 125 kHz	✓
INDALA	(open format) Low Frequency	projected