APERIO E 100 EURO

Aperio provides system solutions for wireless access control. Aperio was developed by Assa Abloy for easy implementation into end customer solutions access and attendance systems. The system is characterized by ease of installation and flexibility.

Functional options:

Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
Can be used with all European (DIN) mortise locks - in wooden, steel and tubular-frame doors
Main electronics (RFID + radio) outside - security-relevant electronics inside
Outside handle rotates freely - inside handle always engaged
Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)
LED for status visualisation

Technical parameters

Authentication	Three levels of autentification (PIN only, CARD only, PIN & CARD combined)
Code	PIN code - 4 up to 8 digits
Approvals	CE
Dimension (H x W x D)	312 x 41 x 10/20 mm
Version	Basic = interior and exterior doors up to grade 2
Handle	L-Shape, U-Shape
Surface	Stainless steel brushed (ST)
Distance	Distance 72 mm, 92 mm; Spindle 8 mm, 9 mm, 10 mm
Door leaf thickness	Door leaf between 40 and 100 mm thick, in 10 mm increments
Backsetf	>40 mm
Battery	1 x Lithium CR123A
Battery life	> 40,000 cycles (for max. 3 years)
Radio standard	IEEE 802.15.4 (2,4 GHz)

Technical parameters

Encryption (radio communication)	AES 128 bit
Distance between the RFID-Reader and hub	Typical range up to 25 m depending on the hub type and building environments
Class of protection	IP 52
Operating temperature range	0°C do 60°C
Relative humidity	< 85% (condensation-free)
Door status	LED (red/green/orange)
RFID Technology	iCLASS®/ISO 14443B; MIFARE Classic® / MIFARE® DESFire® EV1; HID PROX/ EM410x; LEGIC® (Advant, Prime, ISO/IEC14443 UID, ISO/IEC15693 UID)
RFID reading	UID / Sektor / Block / Application / File / LEGIC® Segment Data
Scanning range	< 4 cm
Communication interfaces	Micro USB firmware download and battery back up