

Aperio® E100 Pro

Wireless escutcheon Scandinavian profile

Heavy-duty performance for high-traffic doors

The ASSA ABLOY Aperio E100 Pro is the most convenient way to upgrade access control: It is fitted without wiring at the door and works with almost any system, via Online, Offline or OSS-standard offline integration.



Grade 4 enhances durability, even in demanding conditions



Flexibility

Can be used with all Scandinavian mortise locks – in wooden, steel and tubular-frame doors (and glass doors).



Easy integration

Aperio E100 Pro works seamlessly with access control systems integrated with Aperio via the AADP protocol or Wiegand hub. No database integration required.



Convenience

Open with a smart card or mobile phone. The Keypad option offers multi-authentication for an extra layer of security*.

*Only supported by Aperio online



Lasting strength

Spindle protection enables higher cycle endurance, while Grade 4 strength ensures reliable performance even in the most demanding environments.

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Technical information



Documents
and certificates



Technical data and features

	Authentication	CARD/Mobile, PIN, CARD/Mobile & PIN combined
	Code	PIN code managed by the access control system
	RFID technologies (based on reader type)	iCLASS, iCLASS SE, iCLASS Seos, MIFARE Classic, Mifare Classic SE, Mifare Ultralight, Mifare Plus, Mifare DESFire 0.6, Mifare DESFire EV1, Mifare DESFire EV2, Mifare DESFire EV3 (EV2 and EV3 only in Legacy mode), Mifare DESFire SE, Prime, PicoPass, ISO 14443A UID, ISO 14443B UID, ISO 15693 UID
	RFID reading	UID / Sector / Block / Application / File Segment Data – Depending on the RFID technology
	RFID reading range	Up to 4 cm
	Mobile technologies	Seos, STid and Gallagher-enabled mobile credentials via BLE* and NFC Seos and DESFire mobile credentials in Apple Wallet and Google Wallet
	Approvals	CE, UKCA, EN 16867 (Grade 4)
	Dimensions	314.5 × 45 × 17.5/22.5 mm (H × W × D)
	Handle	L-Shape, U-Shape
	Surface	Stainless steel brushed
	Distance	105 mm
	Spindle	Spindle 8 mm
	Door leaf thickness	Door leaf between 29 and 88 mm thick, in 10mm increments
	Backset	> 40 mm
	Mounting plate	Width: 45 mm
	Battery	1 × Lithium CR123A
	Battery life	30 openings per day for 50 months
	Emergency power	Via micro-USB socket
	Radio standard	IEEE 802.15.4 (2.4 GHz)
	Encryption (radio communication)	AES 128 bits
	Distance between device and hub	Up to 25m depending on the building environment
	Class of protection	IP54*
	Operating temperature range	0°C to 60°C
	Relative humidity	< 85% (condensation-free)
	Status	LED (red/green/orange) and buzzer
	Door sensor information	Internal handle use detection (request to exit, escape & return)
	Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
	Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

* Outdoor environments may affect product operability (excessive humidity, salt, extreme temperatures)

**For indoor use****It includes:**

- 1 escutcheon with battery (Lithium CR123A)
- Screws
- Tool for inserting cables (for thicker doors)
- Installation instructions

**Communicates with:**

- RS485 Communication Hub
- Aperio IP Communication Hub
- Wiegand Interface (standard and advanced versions) Communication Hub

**Smart Credential Handling:**

Up to 1000 users can be granted access even if the EAC is temporarily down.

Dimensions in mm

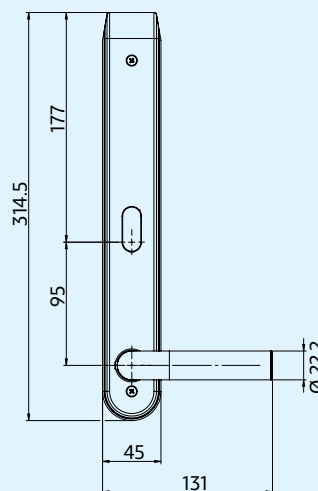
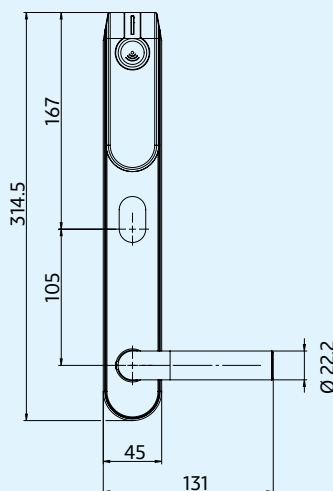
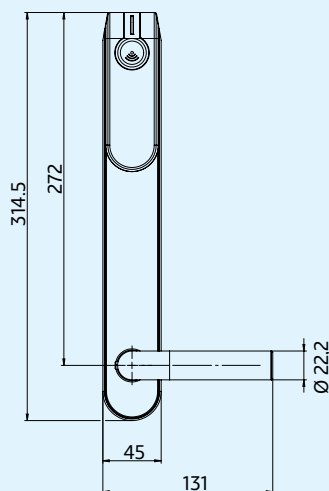
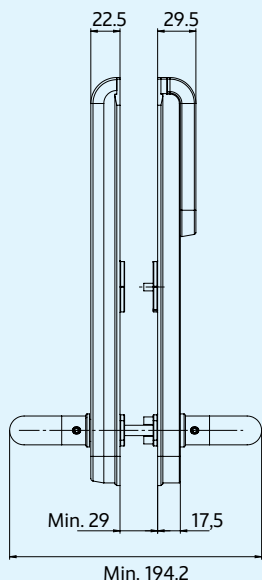
Blind



Cylinder cutout



Thumbturn



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ASSA ABLOY

ASSA ABLOY
Opening Solutions EMEIA
Digital and Access Solutions
Dukes Court
Duke Street
Woking
GU21 5BH
United Kingdom

assaabloy.com