

# Aperio® C100

## Wireless Knob Cylinder

**ASSA ABLOY**  
Opening Solutions

The non-disruptive way to extend access control

*The ASSA ABLOY Aperio C100 is the quickest way to upgrade access control: It is fitted without wiring or drilling at the door and works with almost any system, via Online, Offline or OSS-standard offline integration.*

Experience a safer  
and more open world

Metal single knob cylinder  
Scandinavian Profile – for  
use in indoors.

Main electronics (RFID + radio)  
in the outside knob – secure  
electronics inside cylinder core.

Freely rotating lock cam.

Rubber sleeve available  
for enhanced grip.

Inbuilt LED instantly  
communicates if access  
is granted or denied.



### Easy integration

Aperio C100 works seamlessly with access control systems integrated to Aperio via AADP protocol or Wiegand hub. No database integration required.



### Quick installation

It only takes a few minutes to swap a mechanical cylinder for an Aperio C100.



### Flexibility

Compatible with all Scandinavian mortise locks – in wooden, steel and tubular-frame doors. Secure sensitive assets by retrofitting lockers and cabinets.











### Convenience

Aperio C100 reads industry-leading RFID credentials, as well as mobile (NFC).

# Aperio® C100 SCANDINAVIA | For indoor use

## Technical data and features

①	<b>Authentication</b>	CARD or Mobile
	<b>RFID Technologies</b> (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, PicoPass, ISO 14443A UID, ISO 14443B UID, ISO 15693 UID, LEGIC-only reader available
	<b>RFID reading</b>	UID / Sector / Block / Application / File / LEGIC® Segment Data – Depending on the RFID technology
	<b>RFID Reading range</b>	Up to 4 cm
	<b>Mobile technologies</b>	NFC
✓	<b>Approvals</b>	CE, UKCA EN 15684:2012 (16B0AF30)
	<b>Version</b>	Fixed or demountable knob versions with RFID-Reader
	<b>Knob dimensions</b>	42 × 32 mm (L × Ø) for standard electronics
	<b>Surface</b>	Knob surface: Stainless steel
	<b>Cylinder length (LENGTH=A/LENGTH=B)</b>	Standard length 40 mm (including tail piece)
	<b>Battery</b>	1 × Lithium CR2
	<b>Battery life</b>	10 openings per day for 27 months
	<b>Radio standard</b>	IEEE 802.15.4 (2.4 GHz)
	<b>Encryption (radio communication)</b>	AES 128 bits
	<b>Distance between the RFID Reader and hub</b>	Up to 25m depending on the building environment
	<b>Class of protection</b>	IP 65*
	<b>Operating temperature range</b>	-20°C to 55°C*
	<b>Relative humidity</b>	< 85% (condensation-free)
	<b>Status</b>	LED (red/green/orange)
	<b>Communication interfaces</b>	Communication via radio (USB dongle) or Micro-USB cable (accessory)
	<b>Offline and Online operation modes</b>	Aperio Online; Aperio Offline; Standard OSS Offline

\* The C100 is for indoor use, outdoor environments may affect product operability.



### It includes:

- 1 single knob cylinder with battery (Lithium CR2)
- Installation instructions
- Knob tool needs to be ordered separately



### 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.

## ASSA ABLOY Opening Solutions

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## Dimensions in mm

