Aperio® C100 Wireless Knob Cylinder

ASSA ABLOY
Opening Solutions

The non-disruptive way to extend access control

The ASSA ABLOY Aperio C100 for server racks adds secure access control to almost any server cabinet. It is fitted without wiring or drilling the cabinet 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
– for use indoors.

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

Spring loaded fixed
position left or right
blocking 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
Available in Euro profile only. SCAN and Swiss mechanical cylinders may be replaced with standard C100 single cylinders.

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

The photo shows left handed version.

Aperio® C100 EURO profile – server rack | For Indoor use

Technical data and features

ⓘ	**Authentication**	CARD or Mobile
📡	**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, PicoPass, ISO 14443A UID, ISO 14443B UID, ISO 15693 UID, LEGIC-only reader available
	RFID reading	UID / Sector / Block / Application / File / LEGIC® Segment Data – Depending on the RFID technology
	RFID Reading range	Up to 4 cm
	Mobile technologies	NFC
✓	**Approvals**	CE, UKCA EN 15684:2012 (16B0AF30)
	Version	Cam position (45° left/45° right blocking) – to be specified when ordering
	Knob dimensions	44 × 32 mm (L × Ø) for standard electronics, 46,5 × 32mm (L × Ø) for demountable electronics
	Surface	Knob surface: Stainless steel
	Cylinder length (LENGTH=A/LENGTH=B)	Available only with 30mm length with right and left handed variants
	Fixing screw	60, 70, 85 mm or without
🔋	**Battery**	1 × Lithium CR2
	Battery life	10 openings per day for 27 months
	Radio standard	IEEE 802.15.4 (2.4 GHz)
(((•)))	**Encryption (radio communication)**	AES 128 bits
	Distance between the RFID Reader and hub	Up to 25m depending on the building environment
🌡°C	**Class or protection**	IP 65*
	Operating temperature range	-20°C to 55°C*
	Relative humidity	< 85% (condensation-free)
💡	**Status**	LED (red/green/orange)
(((•)))	**Communication interfaces**	Wireless communication (USB Dongle) or MicroUSB Interface
	Offline and Online operation modes	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)
- Optional fixing screw
- Installation instructions
- Knob tool needs to be ordered separately
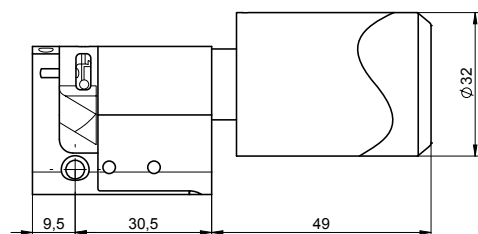
Communicates with:
- RS485 Communication Hub
- Aperio IP Communication Hub
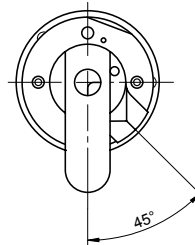- Wiegand Interface (Standard and advanced versions) Communication Hub

Smart Credential Handling:
Up to 1000 users can be granted access even if the EAC is temporarily down.
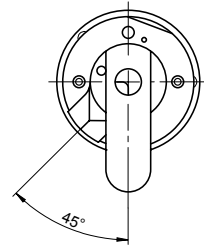
Dimensions in mm

52 mm – for demountable electronic version   Left handed version   Right handed version