

ASSA ABLOY Aperio® Technical Catalogue

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world



Aperio is part of ASSA ABLOY's Digital Access Solutions suite

Make your access ready for what's ahead

We help you digitalize and future-proof your buildings, meeting your individual needs and supporting your move from the mechanical to the digital world. We are experts in access.

With us, you digitalize with confidence.

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Expand your new or existing access control system without wiring doors

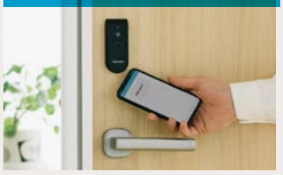
Integrate more doors into your existing access control system by adding Aperio battery-powered locks

Installing traditional access control doors is costly due to extensive wiring requirements, limiting security coverage to high-priority doors. Other doors retain mechanical locks, lacking monitoring and management capabilities. A lost master key poses a significant security risk. Aperio technology offers a solution: wirelessly equipping doors with integrated RFID and mobile readers, seamlessly integrating them into your access control system. This enhances control, adapts to organizational changes, and streamlines security management.

Users carry a single credential (RFID, mobile, wearable) for all access needs, simplifying the process.

Aperio product overview

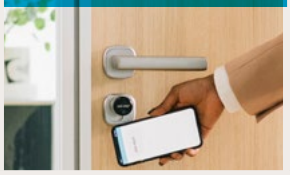
Whatever your access control needs, Aperio wireless devices have the capability to be fully integrated with your existing electronic access management systems, helping boost your security.

	High Security*** Door	Medium to High Security Door	Medium Security Door	Standard to Medium Security Door
				
	L100	**E100 Premium**	**E100**	**H100**
Device	Lock with RFID- and NFC-reader	Escutcheon with RFID- and NFC/BLE-reader	Escutcheon with RFID- and NFC/BLE-reader	Handle with RFID- and NFC/BLE-reader
Usage	e.g. Entrance, Transit	e.g. Transit, Offices, Meeting (interior)	e.g. Transit, Offices, Meeting (interior)	e.g. Offices, Meeting (interior)
Ease of installation	Interconnecting cables. Standard lockcase for EURO DIN, SCAN and FIN	Minimal drilling, interconnecting cable	Minimal or no drilling, interconnecting cable	No extra drilling for standard lockcases, no cabling required
Power	Battery: 65 openings per day for 50 months	Battery: 30 openings per day for 50 months*	Battery: 30 openings per day for 50 months*	Battery: 30 openings per day for 50 months
Multi-authentication	Yes: PINpad & Reader	Yes: PINpad & Reader	Yes: PINpad & Reader	No
Credentials	RFID credentials Mobile credentials (NFC)	RFID credentials** Mobile credentials (NFC/BLE)	RFID credentials** Mobile credentials (NFC/BLE)	RFID credentials Mobile credentials (NFC/BLE)
Status information	• Door position (open/closed) • Bolt position (secured/unsecured) • Mechanical key override (avoid alarm) • Handle position (REX) • Tamper detection	Internal handle use detection (request to exit, escape & return)	Internal handle use detection (request to exit, escape & return)	
Accessories	Reader plates, spindles, strike plates	Different handle models	Different handle models	U-handle available Matching mechanical hardware
Certification	CE, UKCA, Fire, EN179, EN14846 , EN1125 (EURO DIN)	CE, UKCA, EN179, DIN18273	CE, UKCA, Fire EN1634	CE, UKCA, Fire EN1634
Feedback	LED/Buzzer	LED/Buzzer	LED/Buzzer	LED
Smart Credential Cache	Up to 1000 users can be granted access even if the EAC is temporarily down.			
Operation	All products can run in online and offline (OSS included) mode.			



Aperio's advantages

- Globally available technology
- Easy integration with most Electronic Access Control (EAC) systems
- Simple and quick installation, without cabling
- You continue using your existing credentials (smartcards, fobs and/or phone)

Standard to Medium Security Door	Medium security, high traffic doors	Medium Security Cabinet Door	Standard to Medium Security Opening
			
C100	**DR100**	**KL100**	**P100**
Cylinder with RFID- and NFC/BLE-reader	Wall reader with secure relays RFID- and NFC/BLE-enabled	Cabinet lock with RFID- and NFC/BLE-reader	Padlock with RFID- and NFC-/BLE-reader
e.g. Offices, Meeting (interior), Cabinets (special version for server cabinets)	Entrance doors, turnstiles, overhead doors, loading bay doors, roof access	Lockers, Drawers, Cupboards, Cabinets (interior)	Toolboxes, Storage cages, containers and other non-standard openings
No drilling, no cabling	Minimal drilling, interconnecting cable	18/22 or 16/19 mm standard cutout required	No drilling, no cabling
Battery: 10 openings per day for 27 months*	Power: 12 - 24 VDC	Battery: 25 openings per day for 106 months	Battery: 10 openings per day for 27 months*
No	No	No	No
RFID credentials** Mobile credentials (NFC/BLE)	RFID credentials Mobile credentials (NFC/BLE)	RFID credentials Mobile credentials (NFC/BLE)	RFID credentials Mobile credentials (NFC/BLE)
	• Tamper detection • Door position (open/closed) • Request to exit input		
Rubber cover sleeve	No	Different cams	Chain
CE, UKCA, EN 15684:2012 (16B0AF30), fire EN1634, door up to T90	CE, UKCA	CE, UKCA	CE, UKCA
LED	LED	LED	LED
Up to 1000 users can be granted access even if the EAC is temporarily down.			
All products can run in online and offline (OSS included) mode.			



Communication hub
Control up to 64 doors with the Aperio communication hub for indoor use. Easy and cost-effective to install, the hub is the nexus between the Aperio devices and the EAC system. **Communication happens in real time.**

For more information, please refer to page 79

Aperio DR100 and P100 available in the future

* Except LEGIC.
** Also available with LEGIC technology.
*** Security level refers to the mechanical security of the door and depends on the Aperio device but also on any additional security devices at the door and the door itself.

Aperio is ready for both offline and online integration

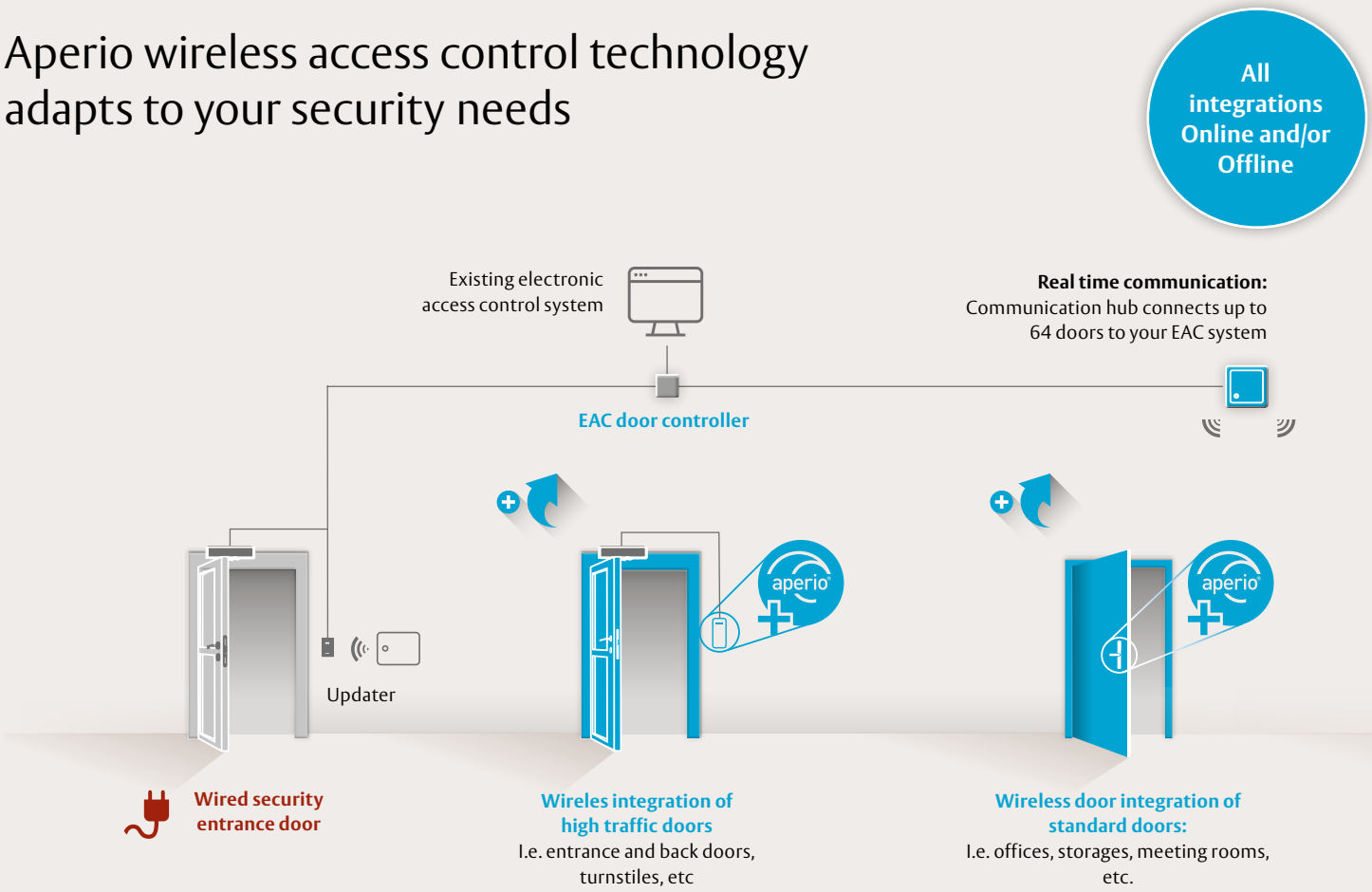
Aperio Online integration:
Door monitoring in real time
Aperio Online integrations offer real-time lock-to-system, instant audit trails and remote locking/unlocking function.
Online integration puts you in total control of access and equips you to react quickly to any emergency.
When integrated online, Aperio locks connect with your system via a range of different Communication Hubs to control up to 64 doors within a range of 25 metres.

Online Aperio locks are compatible with all standard RFID technologies. Online integration provides the option to cache 1,000 valid credentials.

Aperio Offline integration:
Access rights on card via updater
Aperio Offline locks are installed wire-free and integrate seamlessly with a new or existing access control system. Individual lock and user permissions updates may be completed remotely or locally, via the udpate readers.
For maximum compatibility with new and existing systems, Aperio Offline locks accept most RFID technologies, incorporating audit trail support. With Aperio, you can also combine Offline and Online doors within the same installation.

Aperio Offline locks support both ASSA ABLOY Offline and OSS Standard Offline protocols, guaranteeing interoperability with a broad range of access systems.

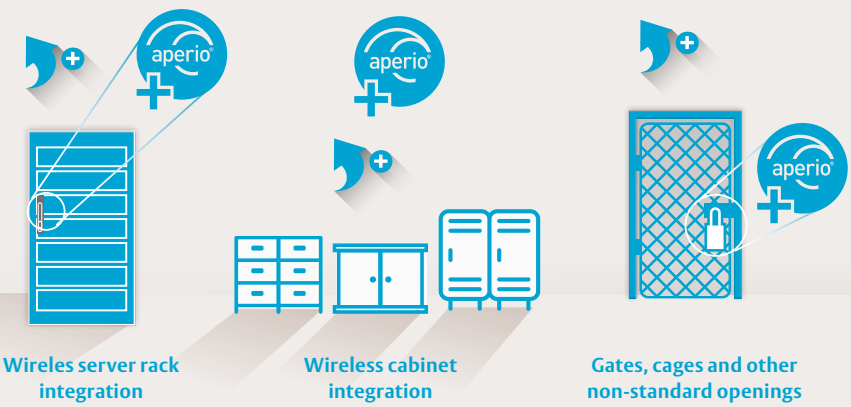
Aperio wireless access control technology adapts to your security needs





Check out successful Aperio integrations around the world

Make non-standard openings part of your EAC system



Wireles server rack integration

Wireless cabinet integration

Gates, cages and other non-standard openings

Continue using your credentials



For comprehensive details on credential technologies, consult the product datasheet pages

Upgrade to mobile credentials whenever you are ready:
Aperio works with RFID and mobile technologies simultaneously

Extend your favourite access control features to more doors

Aperio has integration in its DNA, making it easy to extend the reach and capacity of your access control without wiring. Doors previously secured with mechanical locking can now be integrated into an access control system and unlocked with the same credentials.

Aperio-equipped access points are managed from the existing system software interface.
Over 130 access control manufacturers globally have already integrated battery-powered Aperio locks to work seamlessly with their system, ensuring you benefit from all supported EAC features.



Multi-RFID technology

The ability to use different RFID card technologies within the same system.

Aperio devices supporting this feature
The entire Aperio product family

Online/Offline transition

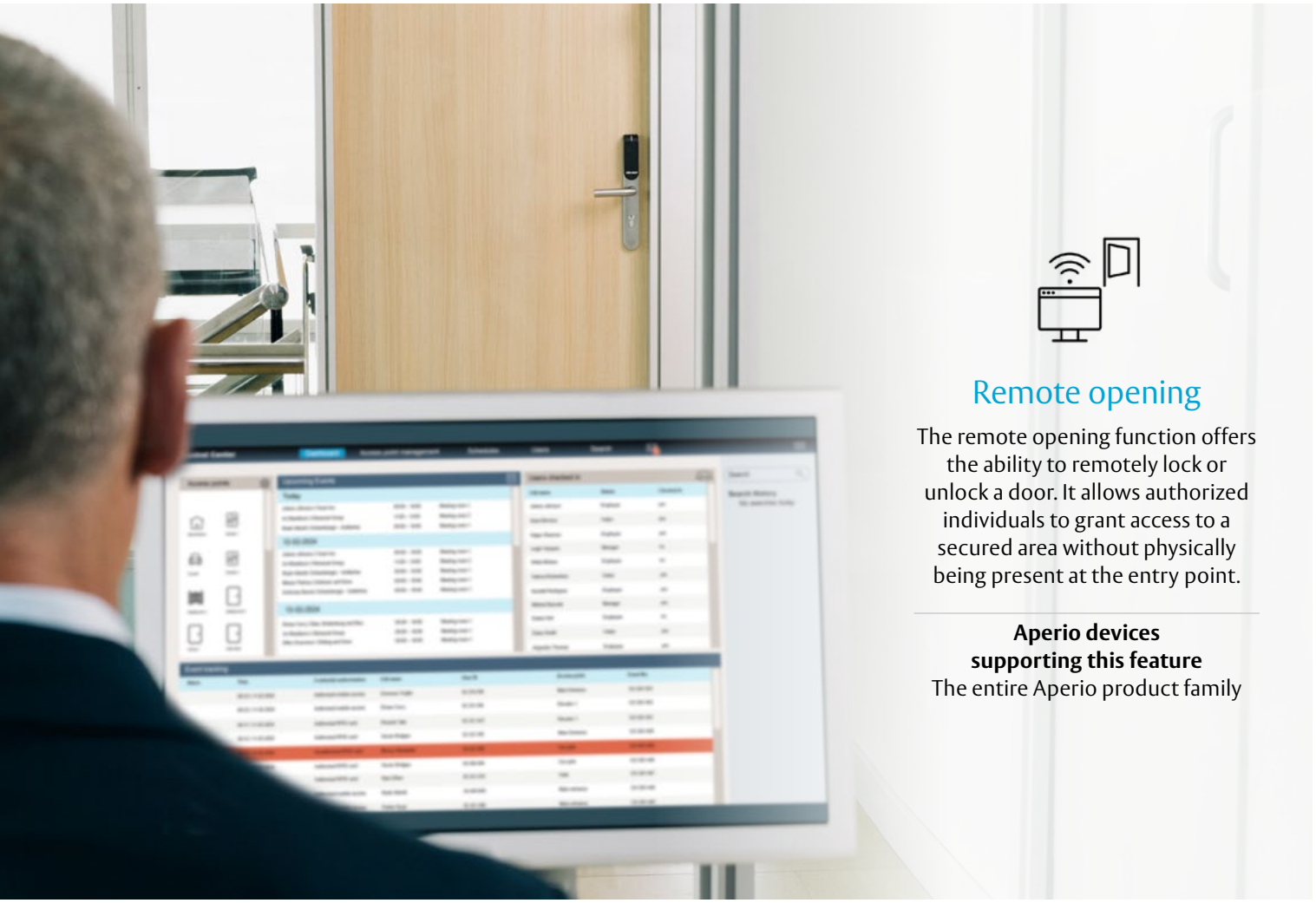
Seamless transition between the two modes without the need to replace or modify locks.

Aperio devices supporting this feature
The entire Aperio product family

Unlimited users

There is no limit to the number of users who can open a door. This number is set by the EAC system.

Aperio devices supporting this feature
The entire Aperio product family



Remote opening

The remote opening function offers the ability to remotely lock or unlock a door. It allows authorized individuals to grant access to a secured area without physically being present at the entry point.

Aperio devices supporting this feature
The entire Aperio product family

Emergency code

Emergency (or Duress) code is a security feature designed to protect individuals in potentially dangerous situations.
With Emergency Code enabled, a silent hold-up alarm triggers in the security centre if, in a threatening situation, a credential-holder uses their access card along with an attack code instead of her/his own PIN.

Aperio devices supporting this feature
Aperio PINpad devices:
E100 wireless escutcheon and L100 wireless lock.

Use Cases
Emergency situations

Operation during EAC breakdown

Aperio offers several smart credential handling options to enable access in case of a communications failure with the access control system.
Up to 1000 users can be granted access even if the EAC is temporarily down.

Aperio devices supporting this feature
The entire Aperio product family

Use Cases
Retail stores or warehouses, medication storage rooms or laboratories, server rooms or equipment racks



Four eyes rule

The 'four eyes rule' is a practice that requires the presence of at least two authorized users with two different credentials each to unlock a door.
It can be a combination of a card/phone + PIN or two cards/phones.
The number of users and number/combination of credentials is configured by the EAC system.

Aperio devices supporting this feature
The entire Aperio product family

Use Cases
Sensitive or high-security environments
When access to critical areas, systems, or data must be reviewed and approved by a second authorized person.

Escape and return

This feature allows a user to temporarily leave a secure area or room and then return without having to to repeat the full authentication process.
This feature is often implemented to provide convenience to authorized individuals who need to briefly exit and re-enter a restricted area without compromising security.

Aperio devices supporting this feature
E100 wireless escutcheon and L100 wireless lock

Use Cases
Emergency situations, short breaks

Electronic privacy

Also known as 'Do Not Disturb', this feature restrics access to an area. When the electronic privacy button is pressed or enabled, it allows the user to restrict access into the area. When engaged, the EAC may still grant access to specific users.

Aperio devices supporting this feature
E100 wireless escutcheon

Use Cases
Meeting rooms, clothes changing rooms, dorm rooms

Everybody benefits from Aperio Wireless Access Control

Building access control impacts multiple stages and stakeholders

Business owners, security staff, and facility managers have an extensive portfolio from which to select the optimal digital access solution that meets individual requirements, ensuring low energy consumption and minimal maintenance, plus optional services when needed.



OEMs, system integrators, and installers gain from our top-tier technologies for new installations or digital access upgrades, unparalleled standards expertise, and the broadest selection of wireless access hardware.

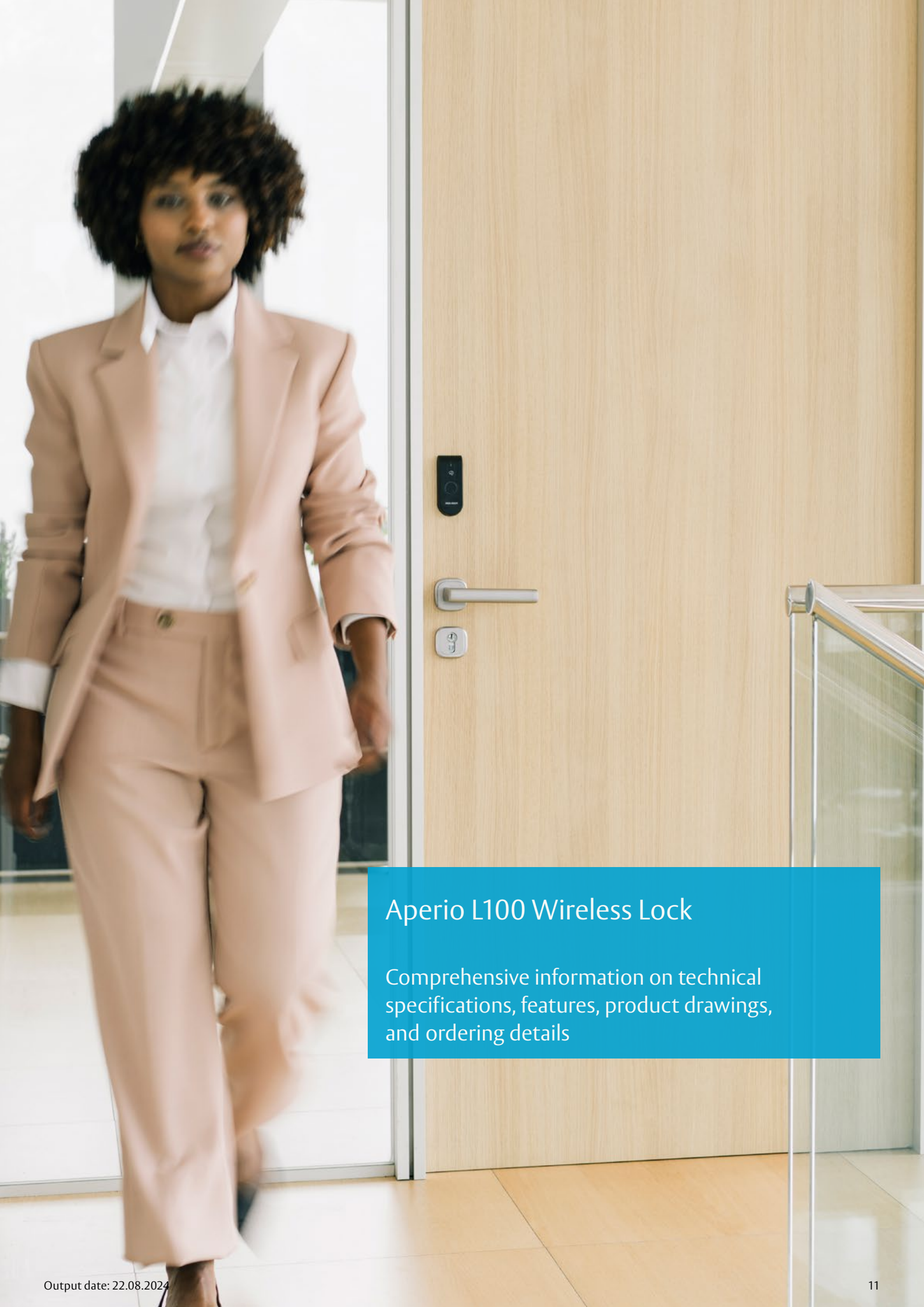




Users benefit from the convenience and safety provided by our digital access solutions every day, enhancing their experience in the building from installation through to daily use.



For architects and specifiers, integrating modern design aesthetics and green building practices is a key concern from the design phase. Aperio devices can help them achieve their goals.



Aperio L100 Wireless Lock

Comprehensive information on technical specifications, features, product drawings, and ordering details

Aperio® L100 Wireless Lock Euro profile

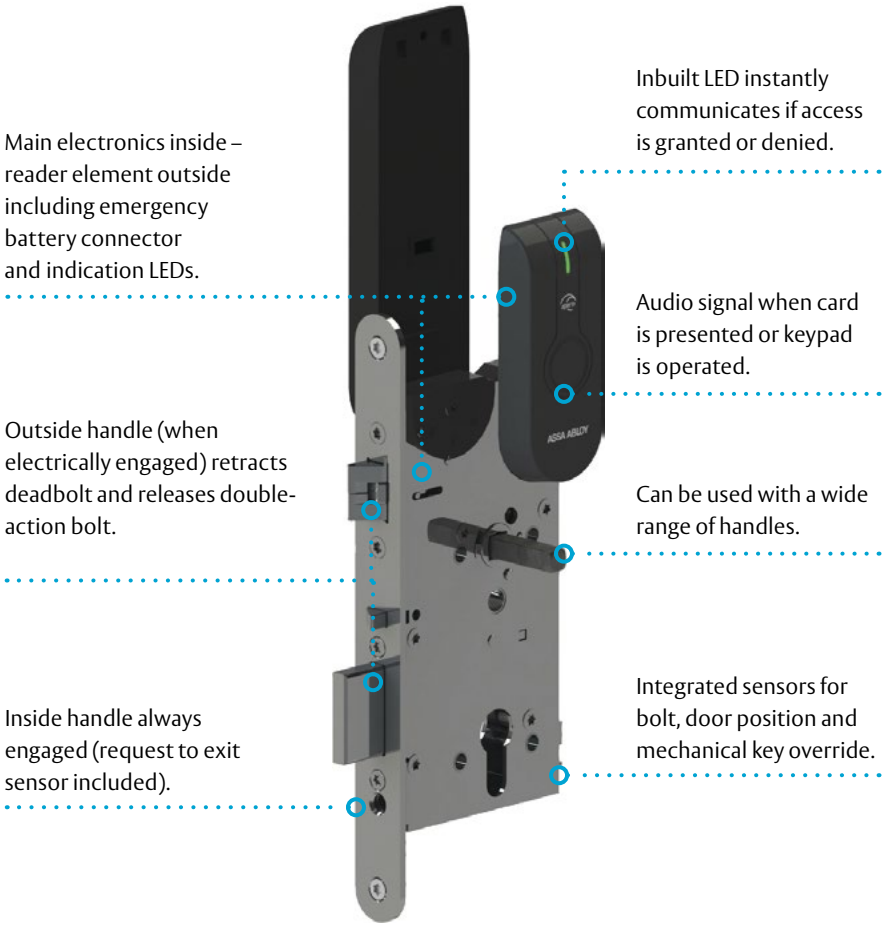
Technical information

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

The cost-effective solution for doors with demanding access control requirements

The ASSA ABLOY Aperio L100 is the most complete electronic wireless security lock on the market. It works with almost any system, via Online, Offline or OSS-standard offline integration.



Versions:


Standard reader


Keypad reader


Reader escutcheon

Lock profile:


Standard


Narrow

Easy integration

Aperio L100 works seamlessly with access control systems integrated with Aperio via the AADP protocol or Wiegand hub. No database integration required.

Highly effective safety and security protection

Reader: IP54 outside part, IP44 inside part. Lock case: CE, UKCA, EN 179, EN 1125, EN 14846.

Multi-authentication

L100 adds an extra layer of security to your opening with the Keypad version (only supported by Aperio online).

Monitoring

Integrated sensors for door (open/closed); bolt position (locked/unlocked) and key mechanical override detection. Handle status detection (request to exit).

Convenience

Aperio L100 reads industry-leading RFID credentials, as well as mobile (NFC).

Output date: 22.08.2024

Aperio L100 Wireless Lock Euro profile
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	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
RFID reading	UID / Sector / Block / Application / File / Depending on the RFID technology
RFID reading range	Up to 4 cm
Mobile technology	NFC
Approvals	CE, UKCA, EN 14846, EN 179 and EN 1125 lock
Dimensions	**Standard:** **Lock:** 168,5 × 16,5 × 88/93/98 (H × W × D) **Reader inside:** 167,8 × 48 × 20 (H × W × D) **Reader outside:** 101,8 × 43,7 × 15 (H × W × D)
Handle	Handle sold separately. With the optional Escutcheon Reader, U-shape handle available
Surface	**Reader:** Plastic **Reader Escutcheon:** Stainless steel **Faceplate for the lock:** Stainless steel
Door profile	Standard or narrow profile
DIN direction	Left / right convertible
Backset	**Standard doors:** 55 mm, 60 mm, 65 mm **Narrow doors:** 30 mm, 35 mm, 40mm, 45mm
Distance	**Standard doors:** 72 mm **Narrow doors:** 92 mm, spindle 8/9 mm
Spindle	See feature: Door leaf thickness
Faceplate	24 mm
Door leaf thickness	Spindle length – Door thickness in ( ): 47/50 (40-54 mm); 57/50 (47-66 mm); 67/60 (61-80 mm); 74/50 (66-80 mm); 120/120 (88-100 mm); 80/50 (70-87 mm)
Battery	2 × Lithium AA (FR6)
Battery life (based on reader type)	65 openings per day for 50 months
Emergency power	Via power supply connector
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	IP 44 inside* / IP 54 outside**
Operating temperature range	10°C to 65°C inside / -40°C to 65°C outside
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange) and buzzer
Door sensor information	Door position (open/closed); Bolt position (secured/unsecured); Mechanical key override (avoid alarm); Handle position (REX); Tamper detection
Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

It includes:

- 1 lock case with 2 batteries (Lithium AA FR6)
- Reader and main electronics
- Screws, flexible cables
- Spindles have to be ordered separately
- Manual including instructions for installation and drilling

Communicates with:

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

Smart Credential Handling:

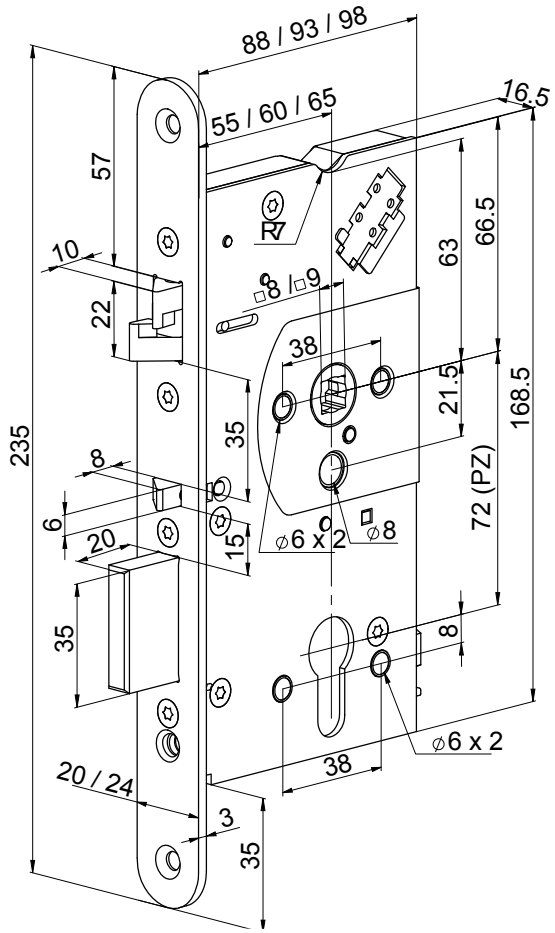
Up to 1000 users can be granted access even if the EAC is temporarily down.

* L100 is recommended for use indoors. However, it can be placed in a door facing outdoors (but the battery pack must be always in the indoor part).
** Harsh, outdoor environments may affect product operation (excessive humidity, salt, extreme temperatures).

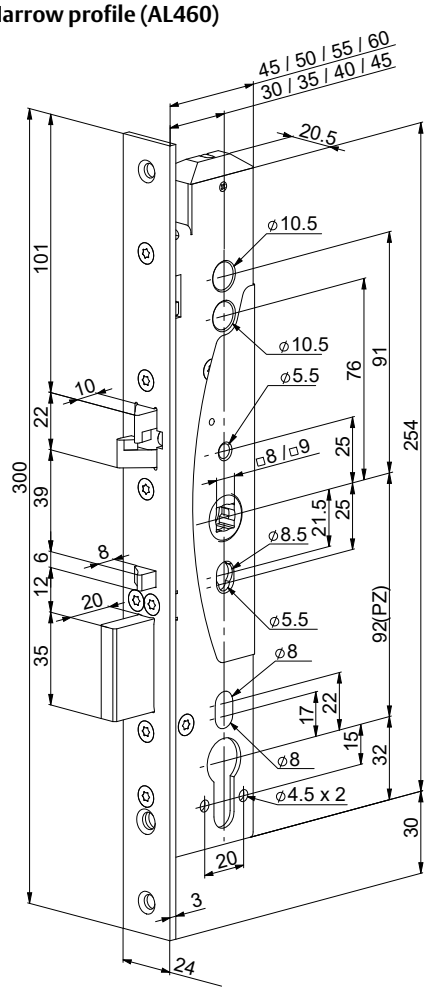
Aperio L100 Wireless Lock Euro profile

Technical information

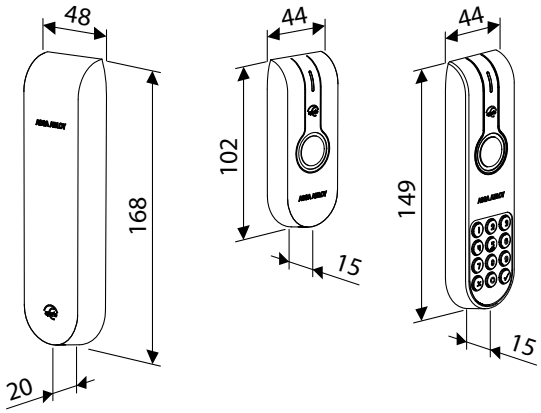
Standard door (AL560)



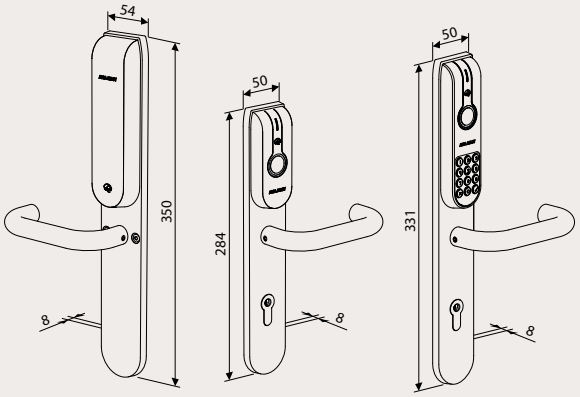
Narrow profile (AL460)



Readers



Accessories:
Reader plates (to be ordered separately)



Aperio L100 Wireless Lock Euro profile

Ordering information

DIN range lock cases for standard door and Narrow profile door



Standard reader

Ordering number	Door	Backset in mm	Certification
AL560 _500150	Standard	55	-
AL560_500450	Standard	55	SKG**
AL560_500160	Standard	60	-
AL560_500460	Standard	60	SKG**
AL560_500170	Standard	65	-
AL560_500470	Standard	65	SKG**
AL460_500100	Narrow profile	30	-
AL460_500400	Narrow profile	30	SKG**
AL460_500110	Narrow profile	35	-
AL460_500410	Narrow profile	35	SKG**
AL460_500120	Narrow profile	40	-
AL460_500130	Narrow profile	45	–



PINpad reader

Ordering number	Door	Backset in mm	Certification
AL560_501150	Standard	55	-
AL560_501450	Standard	55	SKG**
AL560_501160	Standard	60	-
AL560_501460	Standard	60	SKG**
AL560_501170	Standard	65	-
AL560_501470	Standard	65	SKG**
AL460_501100	Narrow profile	30	-
AL460_501400	Narrow profile	30	SKG**
AL460_501110	Narrow profile	35	-
AL460_501410	Narrow profile	35	SKG**
AL460_501120	Narrow profile	40	-
AL460_501130	Narrow profile	45	–

Accessories
L100 may optionally be equipped with reader plates for easy installation e.g. in fire doors where no extra drilling to the door is allowed.



Reader plate for L100 with standard reader
Ordering number: 953032
The plate includes handle. Available only for standard doors.



Reader plate for L100 with PINpad reader
Ordering number: 953035
The plate includes handle. Available only for standard doors.

Aperio® L100 Wireless Lock Scandinavian profile

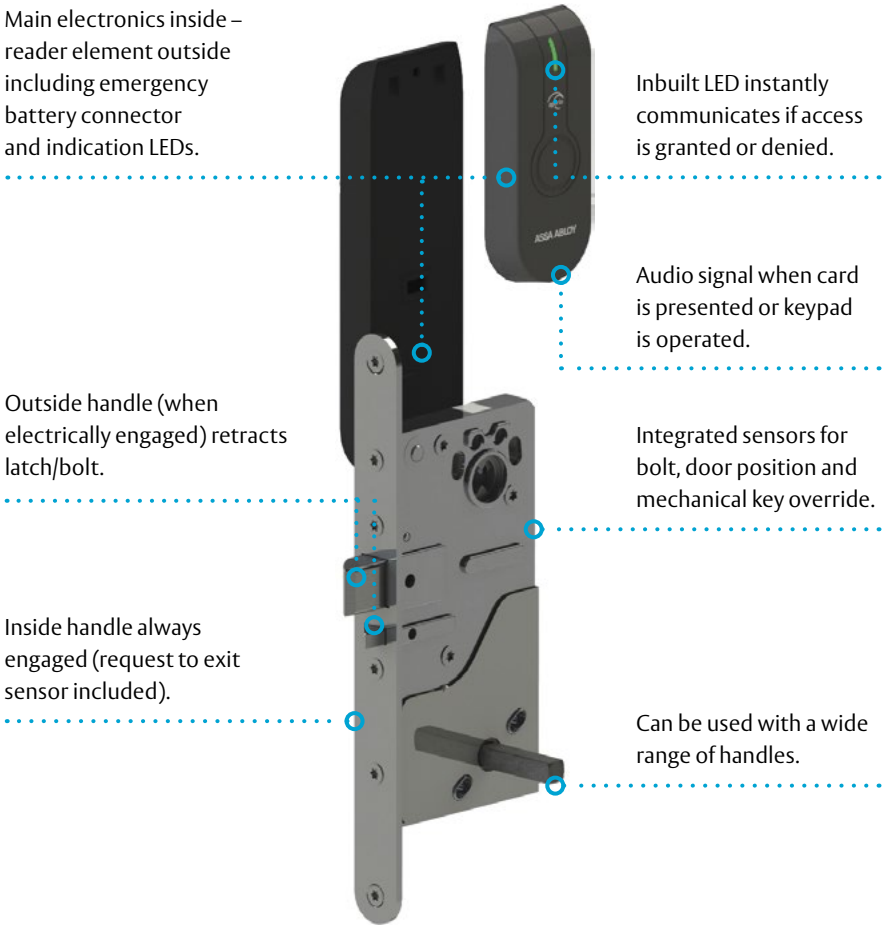
Technical information

ASSA ABLOY Opening Solutions

Experience a safer and more open world

The cost-effective solution for doors with demanding access control requirements

The ASSA ABLOY Aperio L100 is the most complete electronic wireless security lock on the market. It works with almost any system, via Online, Offline or OSS-standard offline integration.



Versions:


Standard reader


Keypad reader


Reader escutcheon

Lock profile:


Standard


Narrow

Easy integration

Aperio L100 works seamlessly with access control systems integrated with Aperio via the AADP protocol or Wiegand hub. No database integration required.

Highly effective burglary protection

Reader: IP54 outside part, IP44 inside part.
Lock case: CE, EN 179, EN14846.

Multi-authentication

L100 adds an extra layer of security to your opening with the Keypad version (only supported by Aperio online).

Monitoring

Integrated sensors for door (open/closed); bolt position (locked/unlocked).
Handle status detection (request to exit).

Convenience

Aperio L100 reads industry-leading RFID credentials, as well as mobile (NFC).

Output date: 22.08.2024

Aperio L100 Wireless Lock Scandinavian profile
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	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
RFID reading	UID / Sector / Block / Application / File / Depending on the RFID technology
RFID reading range	Up to 4 cm
Mobile technology	NFC
Approvals	CE and EN 179, EN14846
Dimensions	**Standard:** **Lock:** 150 × 75 × 19,5 (H × W × D) **Reader inside:** 167,8 × 48 × 20 (H × W × D) **Reader outside:** 101,8 × 43,7 × 15 (H × W × D)
Handle	Handle sold separately
Surface	**Reader:** Plastic **Reader Escutcheon:** Stainless steel **Faceplate for the lock:** Stainless steel
Door profile	Standard or narrow profile
DIN direction	Left / right convertible
Backset	**Standard doors:** 50 mm **Narrow doors:** 30 mm, 35 mm
Distance	**Standard doors:** 105 mm **Narrow doors:** 115 mm, spindle 8 mm
Spindle	See feature: Door leaf thickness
Faceplate	22 mm
Door leaf thickness	Spindle length – Door thickness in (): 47/50 (40-54 mm); 57/50 (47-66 mm); 67/60 (61-80 mm); 74/50 (66-80 mm); 120/120 (88-100 mm); 80/50 (70-87 mm)
Battery	2 × Lithium AA (FR6)
Battery life (based on reader type)	65 openings per day for 50 months
Emergency power	Via power supply connector
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	IP 44 inside* / IP 54 outside**
Operating temperature range	10°C to 65°C inside / -40°C to 65°C outside
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange) and buzzer
Door sensor information	Door position (open/closed); Bolt position (secured/unsecured); Handle position (REX); Tamper detection
Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

It includes:

- 1 lock case with 2 batteries (Lithium AA FR6)
- Reader and main electronics
- Screws, flexible cables
- Spindles have to be ordered separately
- Manual including instructions for installation and drilling

Communicates with:

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

Smart Credential Handling:

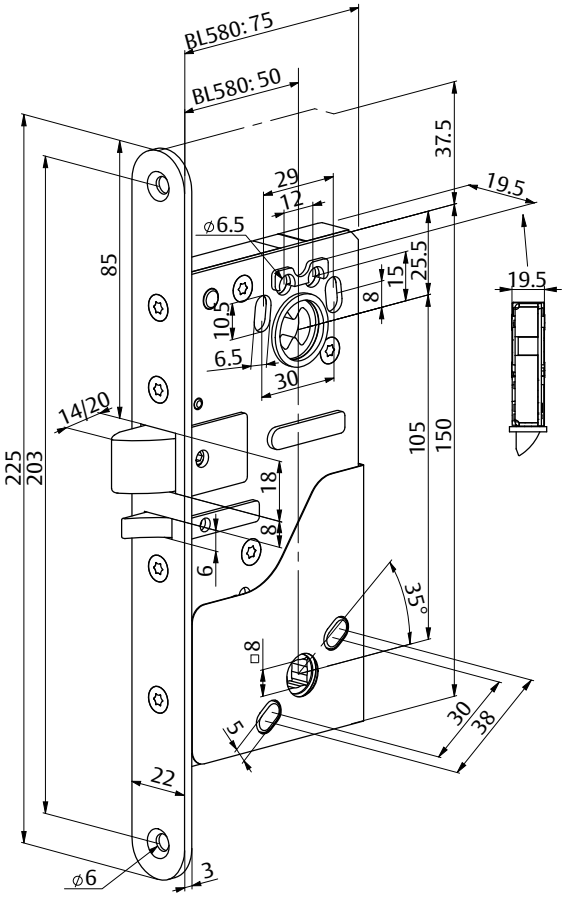
Up to 1000 users can be granted access even if the EAC is temporarily down.

* L100 is recommended for use indoors. However, it can be placed in a door facing outdoors (but the battery pack must always be in the indoor part).
** Harsh, outdoor environments may affect product operation (excessive humidity, salt, extreme temperatures).

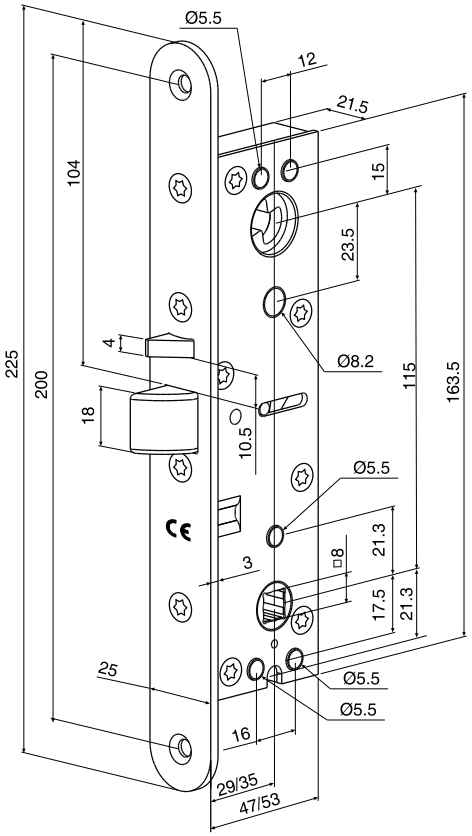
Aperio L100 Wireless Lock Scandinavian profile

Technical information

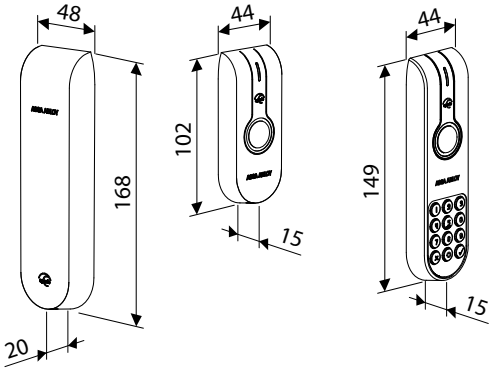
Standard door (AL580)



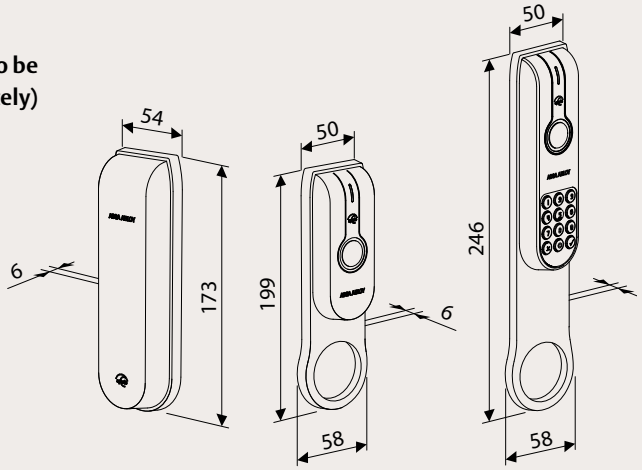
Narrow profile (AL480)



Readers



Accessories:
Reader plates (to be ordered separately)



Aperio L100 Wireless Lock Scandinavian profile

Ordering information



Standard reader

Ordering number	Door	Backset in mm
AL580_500140	Standard	50
AL480_500100	Narrow profile	30
AL480_500110	Narrow profile	35

PINpad reader

Ordering number	Door	Backset in mm
AL580_501140	Standard	50
AL480_501100	Narrow profile	30
AL480_501110	Narrow profile	35

Accessories
L100 may optionally be equipped with reader plates for easy installation e.g. in fire doors where no extra drilling to the door is allowed.



Reader plate for L100 with standard reader
Ordering number: 953030
Standard profile

Reader plate for L100 with standard reader
Ordering number: 953033
Narrow profile



Reader plate for L100 with PINpad reader
Ordering number: 953029
Standard profile

Reader plate for L100 with PINpad reader
Ordering number: 953034
Narrow profile

Aperio® L100 Wireless Lock Finnish profile

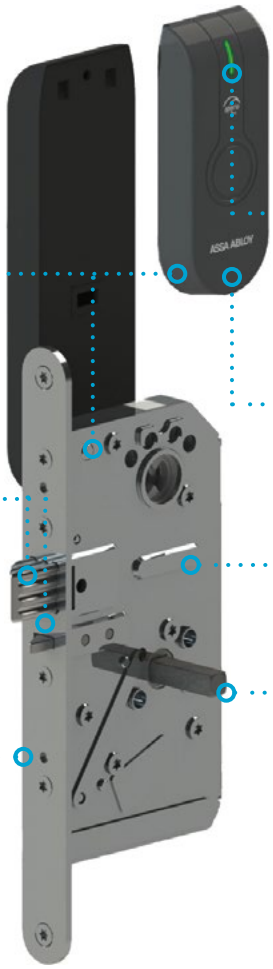
Technical information

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

The cost-effective solution for doors with demanding access control requirements

The ASSA ABLOY Aperio L100 is the most complete electronic wireless security lock on the market. It works with almost any system, via Online, Offline or OSS-standard offline integration.



Versions:


Standard reader


Keypad reader


Reader escutcheon

Lock profile:


Standard


Narrow

Easy integration

Aperio L100 works seamlessly with access control systems integrated with Aperio via the AADP protocol or Wiegand hub. No database integration required.

Highly effective burglary protection

Reader: IP54 outside part, IP44 inside part.
Lock case: CE, EN 179, EN 14846

Multi-authentication

L100 adds an extra layer of security to your opening with the Keypad version (only supported by Aperio online).

Monitoring

Integrated sensors for door (open/closed); bolt position (locked/unlocked).
Handle status detection (request to exit).

Convenience

Aperio L100 reads industry-leading RFID credentials, as well as mobile (NFC).

Output date: 22.08.2024

Aperio L100 Wireless Lock Finnish profile
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	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
RFID reading	UID / Sector / Block / Application / File / Data Depending on the RFID technology
RFID reading range	Up to 4 cm
Mobile technology	NFC
Approvals	CE, EN 179 and EN 14846
Dimensions	**Standard:** **Lock:** 158 × 82 × 20 (H × W × D) **Reader inside:** 167,8 × 48 × 20 (H × W × D) **Reader outside:** 101,8 × 43,7 × 15 (H × W × D)
Handle	Handle sold separately
Surface	**Reader:** Plastic **Reader Escutcheon:** Stainless steel **Faceplate for the lock:** Stainless steel
Door profile	Standard or narrow profile
DIN direction	Left / right convertible
Backset	**Standard doors:** 50 mm **Narrow doors:** 30 mm, 35 mm
Distance	**Standard doors:** 69 mm **Narrow doors:** 115 mm, spindle 8 mm
Spindle	See feature: Door leaf thickness
Faceplate	22 mm
Door leaf thickness	Spindle length – Door thickness in (): 47/50 (40-54 mm); 57/50 (47-66 mm); 67/60 (61-80 mm); 74/50 (66-80 mm); 120/120 (88-100 mm); 80/50 (70-87 mm)
Battery	2 × Lithium AA (FR6)
Battery life (based on reader type)	65 openings per day for 50 months
Emergency power	Via power supply connector
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	IP 44 inside* / IP 54 outside**
Operating temperature range	10°C to 65°C inside / -40°C to 65°C outside
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange) and buzzer
Door sensor information	Door position (open/closed); Bolt position (secured/unsecured); Handle position (REX); Tamper detection
Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

It includes:
- 1 lock case with 2 batteries (Lithium AA FR6)
- Reader and main electronics
- Screws, flexible cables
- Spindles have to be ordered separately
- Manual including instructions for installation and drilling

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

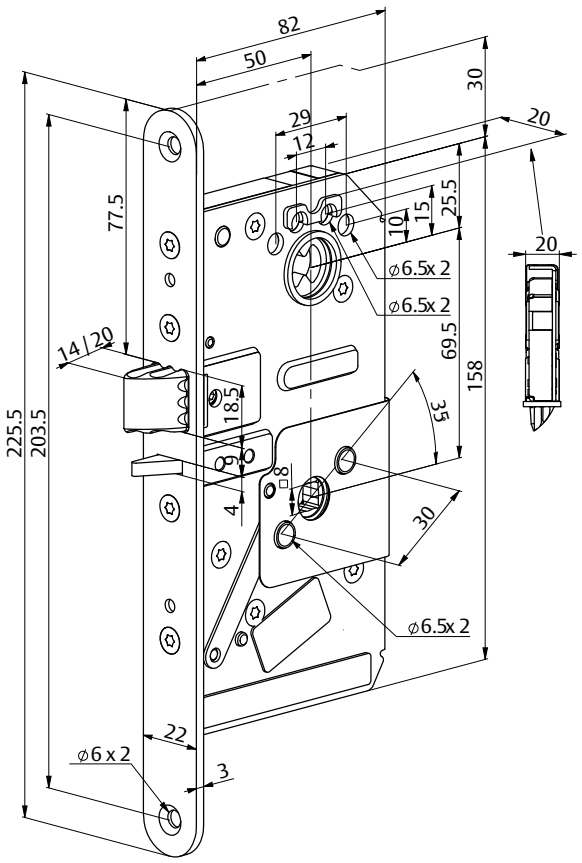
Smart Credential Handling:
Up to 1000 users can be granted access even if the EAC is temporarily down.

* L100 is recommended for use indoors. However, it can be placed in a door facing outdoors (but the battery pack must always be in the indoor part).
** Harsh, outdoor environments may affect product operation (excessive humidity, salt, extreme temperatures).

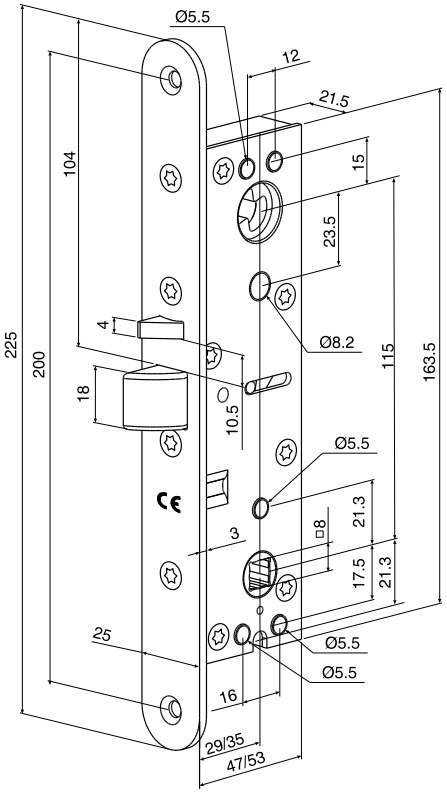
Aperio L100 Wireless Lock Finnish profile

Technical information

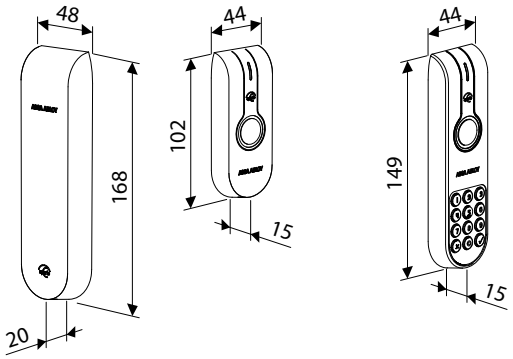
Standard door (AL581)



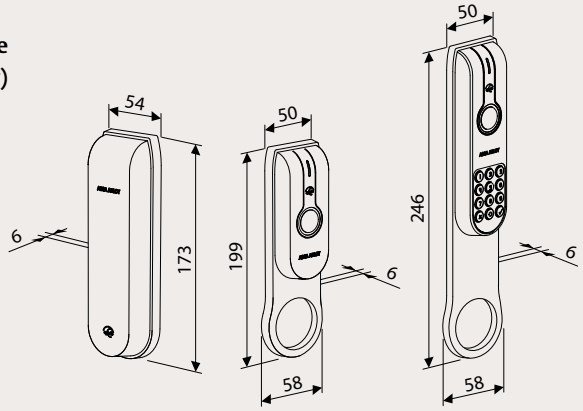
Narrow profile (AL480)



Readers



Accessories:
Reader plates (to be ordered separately)



Aperio L100 Wireless Lock Finnish profile
Ordering information



Standard reader

Ordering number	Door	Backset in mm
AL581_500140	Standard	50
AL480_500100	Narrow profile	30
AL480_500110	Narrow profile	35

PINpad reader

Ordering number	Door	Backset in mm
AL581_501140	Standard	50
AL480_501100	Narrow profile	30
AL480_501110	Narrow profile	35

Accessories
L100 may optionally be equipped with reader plates for easy installation e.g. in fire doors where no extra drilling to the door is allowed.



Reader plate for L100 with standard reader
Ordering number: 953030
Standard profile

Reader plate for L100 with standard reader
Ordering number: 953033
Narrow profile



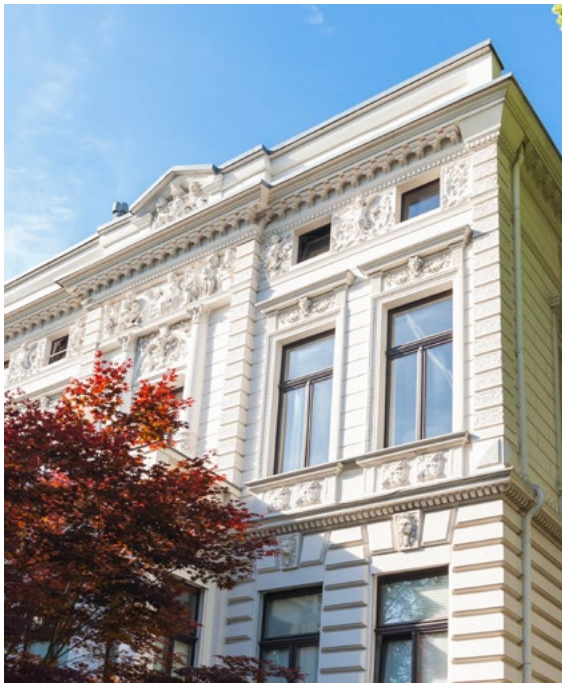
Reader plate for L100 with PINpad reader
Ordering number: 953029
Standard profile

Reader plate for L100 with PINpad reader
Ordering number: 953034
Narrow profile

Designed to fit all kinds of interiors

L100 Wireless Lock is compatible with a wide range of standard handles









Aperio E100 Wireless Escutcheon

Comprehensive information on technical specifications, features, product drawings, and ordering details

Aperio® E100 Premium Wireless Escutcheon Euro profile

Technical information

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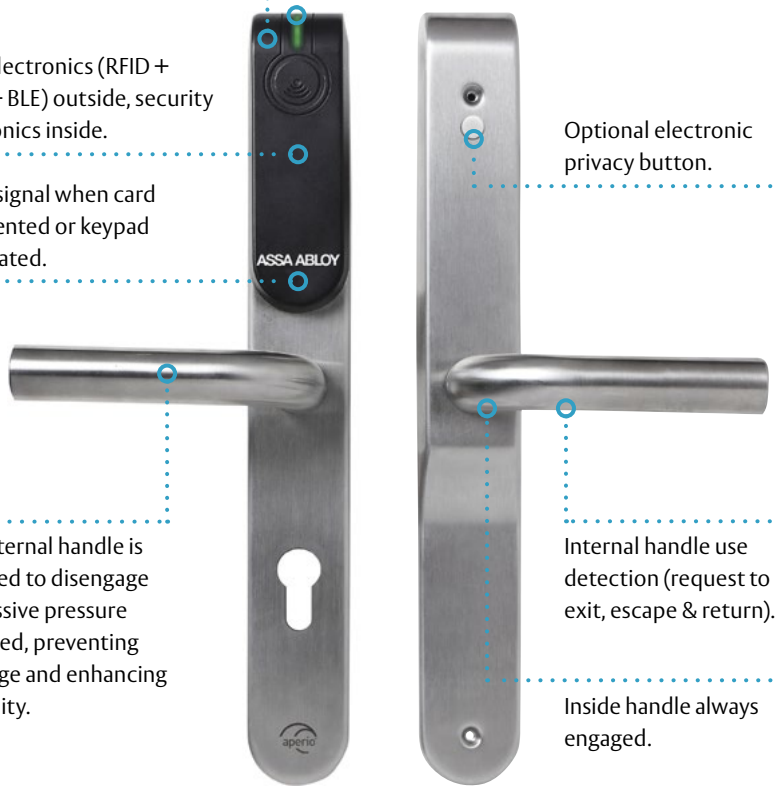
For higher security and safety applications
The ASSA ABLOY Aperio E100 is the most convenient way to upgrade access control: It is fitted without wiring at the door and works with almost any system, via Online, Offline or OSS-standard offline integration.



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

Certified electronic escutcheon for security, fire and escape route doors



Main electronics (RFID + radio + BLE) outside, security electronics inside.

Audio signal when card is presented or keypad is operated.

Optional electronic privacy button.

The external handle is designed to disengage if excessive pressure is applied, preventing breakage and enhancing durability.

Internal handle use detection (request to exit, escape & return).

Inside handle always engaged.

Cutouts:



EUR Cylinder Swiss Cylinder Blind

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

Quick installation
Minimal drilling. Interconnecting cable.

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

Convenience
Aperio E100 reads industry-leading RFID credentials, as well as mobile (NFC and BLE).

Privacy function (optional)
Electronic privacy button when pressed/ enabled allows the user to restrict access into the area. When engaged, the EAC may still grant access to specific users.

Output date: 22.08.2024

Aperio E100 Premium Wireless Escutcheon Euro profile
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, LEGIC® Advant, LEGIC® Prime, PicoPass, ISO 14443A UID, ISO 14443B UID, ISO 15693 UID. **Exceptions:** 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 technology	Seos, STid and Gallagher-enabled mobile credentials via BLE* and NFC Seos and DESFire mobile credentials in Apple Wallet and Google Wallet
Approvals	**Premium:** CE, UKCA, EN 179, DIN18273**, Fire EN 1634
Dimensions	312 × 41 × 10/20 mm (H × W × D)
Handle	U-Shape
Surface	Stainless steel brushed
Distance	Blind, 70, 72, 74, 78, 85, 88, 90, 92, 94
Spindle	Spindle 9 mm (8.5 mm for Austria)
Door leaf thickness	Door leaf between 40 and 100 mm thick, in 5 mm increments
Backset	> 40 mm
Mounting plate	n/a
Battery	1 × Lithium CR123A
Battery life (based on reader type)	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	IP52 and 54****
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

For indoor use

It includes:
- 1 escutcheon with battery (Lithium CR123A)
- Screws
- Drilling template
- Tool for inserting cables (for thicker doors)
- Installation instructions

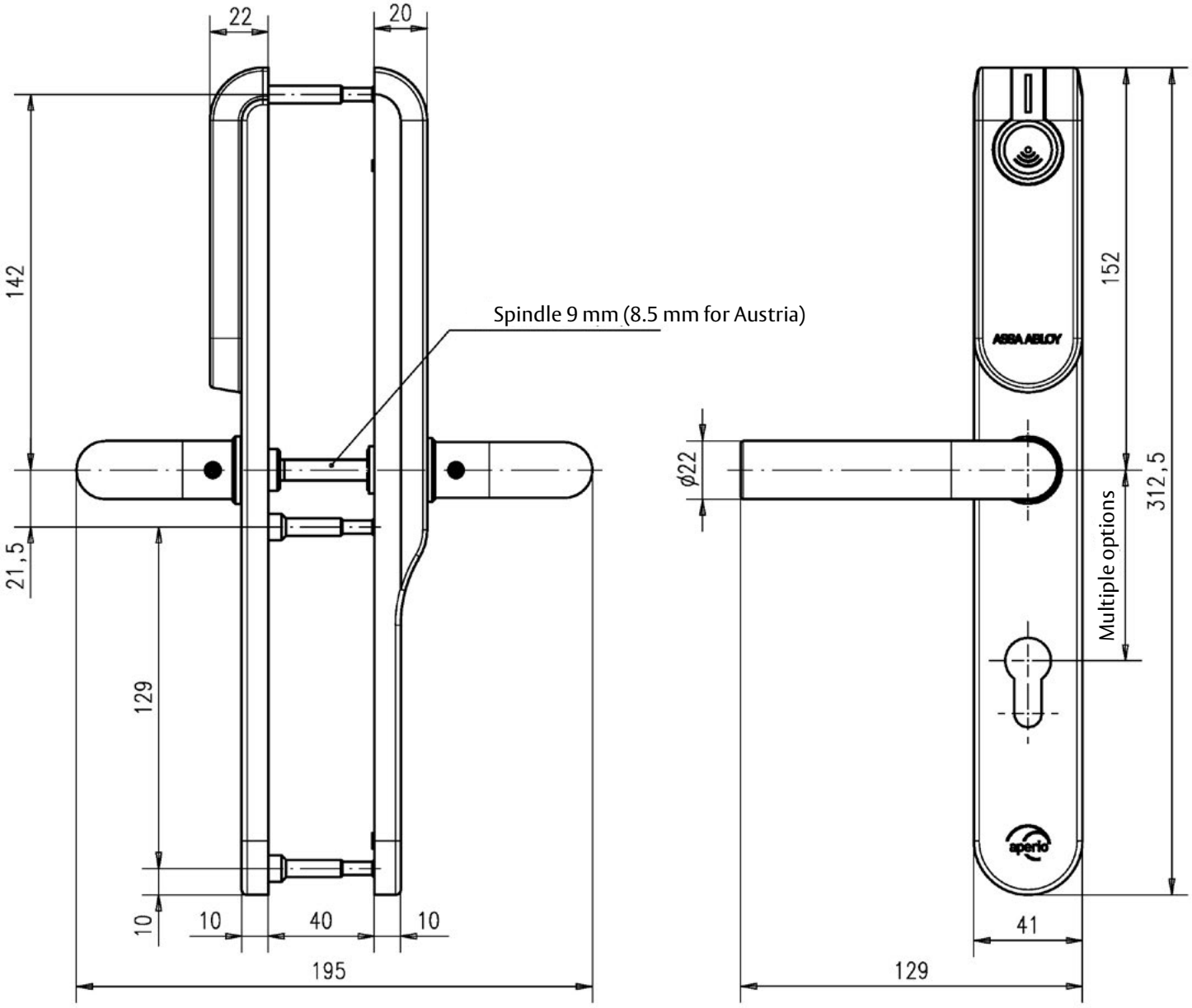
Communicates with:
- RS485 Communication Hub
- Aperio IP Communication Hub
- Wiegand Interface (standard and advanced versions) Communication Hub

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

* LEGIC version is not available with BLE
** The certification for fire-rated door is only valid if all other relevant door components are tested together with the E100 Premium.
*** Except LEGIC
**** Outdoor environments may affect product operability (excessive humidity, salt, extreme temperatures)

Aperio E100 Premium Wireless Escutcheon Euro profile
Technical information

E100 EURO Premium



Aperio E100 Premium Wireless Escutcheon Euro profile

Ordering information



K

Door thickness

K	40-44	Q	70-74
L	45-49	R	75-79
M	50-54	S	80-84
N	55-59	T	85-89
O	60-64	U	90-94
P	65-69	V	95-99

d

Distance

-	blind
0	72mm
1	92mm
2	74mm
3	94mm
4	70mm
5	78mm
6	88mm
7	85mm
9	90mm for Israel

5	0	1	1	f	m	r	s	K	c	d	2	1	2	v

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

Cylinder cutout

-	without (blind)
1	Euro profile
3	Swiss round
5	Swiss outside / inside blind
6	Euro outside / inside blind

Function

-	normal (Aperio Online and OSS Offline)
f	Aperio Online and Aperio Offline

Square spindle

9	9mm (Fire protection)
A	8,5mm (Fire version Austria)

Protocol version

-	normal
P	Privacy

ID Module (RFID reader)

1	RFID
3	Keypad + RFID
B	RFID IP54
D	Keypad + RFID IP54

RFID technology

C	High Frequency + BLE
B	Legic Multi

Not all combinations are available

Ordering example

5	0	1	1	-	1	c	9	K	1	1	2	1	2	-

- High Frequency + BLE
- 40-44mm door thickness
- 92mm distance
- Aperio Online/Offline
- RFID reader
- Fire protection
- Euro profile
- no privacy function

Aperio® E100 Wireless Escutcheon Euro and French profile

Technical information

ASSA ABLOY Opening Solutions

Experience a safer and more open world

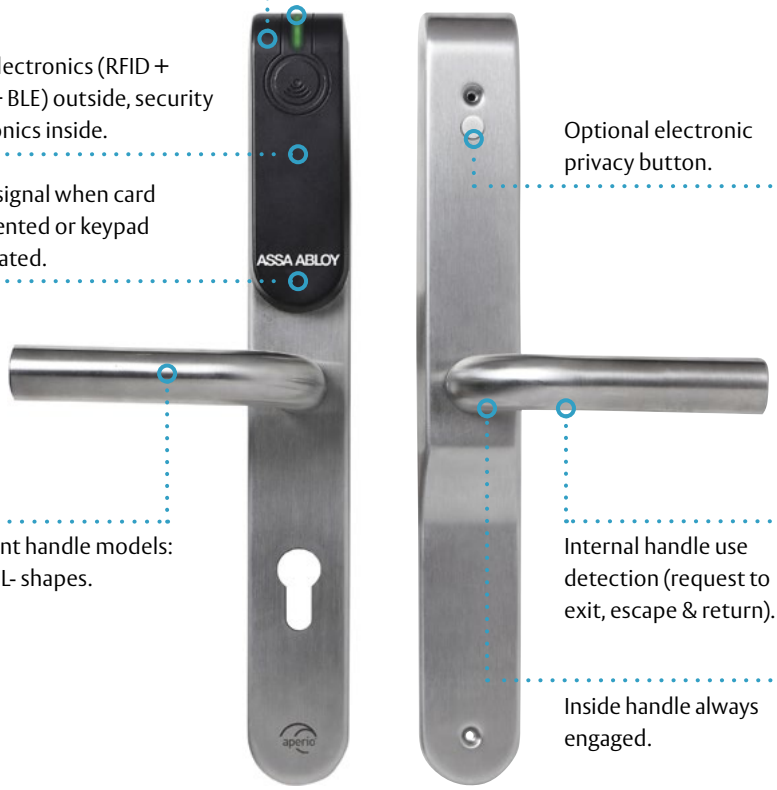
Robust access control with customizable features
The ASSA ABLOY Aperio E100 is the most convenient way to upgrade access control: It is fitted without wiring at the door and works with almost any system, via Online, Offline or OSS-standard offline integration.



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

Inbuilt LED instantly communicates if access is granted or denied.



Main electronics (RFID + radio + BLE) outside, security electronics inside.

Audio signal when card is presented or keypad is operated.

Optional electronic privacy button.

Different handle models: U- and L- shapes.

Internal handle use detection (request to exit, escape & return).

Inside handle always engaged.

Cutouts:



EUR Cylinder Swiss Cylinder Blind

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

Quick installation
Minimal drilling. Interconnecting cable.

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

Convenience
Aperio E100 reads industry-leading RFID credentials, as well as mobile (NFC and BLE).

Privacy function (optional)
Electronic privacy button when pressed/ enabled allows the user to restrict access into the area. When engaged, the EAC may still grant access to specific users.

Output date: 22.08.2024

Aperio E100 Wireless Escutcheon Euro profile
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, LEGIC® Advant, LEGIC® Prime, PicoPass, ISO 14443A UID, ISO 14443B UID, ISO 15693 UID. **Exceptions:** 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 technology	Seos, STid and Gallagher-enabled mobile credentials via BLE* and NFC Seos and DESFire mobile credentials in Apple Wallet and Google Wallet
Approvals	**Standard:** CE, UKCA, Fire EN 1634
Dimensions	312 × 41 × 10/20 mm (H × W × D)
Handle	L-Shape, U-Shape
Surface	Stainless steel brushed
Distance	Blind, 70, 72, 74, 78, 85, 88, 90, 92, 94
Spindle	Spindle 8 mm, 9 mm, 10 mm
Door leaf thickness	Door leaf between 40 and 100 mm thick, in 10 mm increments
Backset	> 40 mm
Mounting plate	n/a
Battery	1 × Lithium CR123A
Battery life (based on reader type)	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	IP52 and 54***
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

For indoor use

It includes:

- 1 escutcheon with battery (Lithium CR123A)
- Screws
- Drilling template
- 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

* LEGIC version is not available with BLE
** Except LEGIC
*** Outdoor environments may affect product operability (excessive humidity, salt, extreme temperatures)

Aperio E100 Wireless Escutcheon French profile
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, LEGIC® Advant, LEGIC® Prime, PicoPass, ISO 14443A UID, ISO 14443B UID, ISO 15693 UID. **Exceptions:** 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 technology	Seos, STid and Gallagher-enabled mobile credentials via BLE* and NFC Seos and DESFire mobile credentials in Apple Wallet and Google Wallet
Approvals	**Standard:** CE, UKCA, Fire EN 1634
Dimensions	312 × 41 × 10/20 mm (H × W × D)
Handle	L-Shape, U-Shape
Surface	Stainless steel brushed
Distance	blind, 72 mm, 92 mm, 70 mm
Spindle	Spindle 7 mm, 8 mm
Door leaf thickness	Door leaf between 40 and 100 mm thick, in 10 mm increments
Backset	> 40 mm
Mounting plate	n/a
Battery	1 × Lithium CR123A
Battery life (based on reader type)	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	IP52 and 54***
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

For indoor use

It includes:

- 1 escutcheon with battery (Lithium CR123A)
- Screws
- Drilling template
- 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

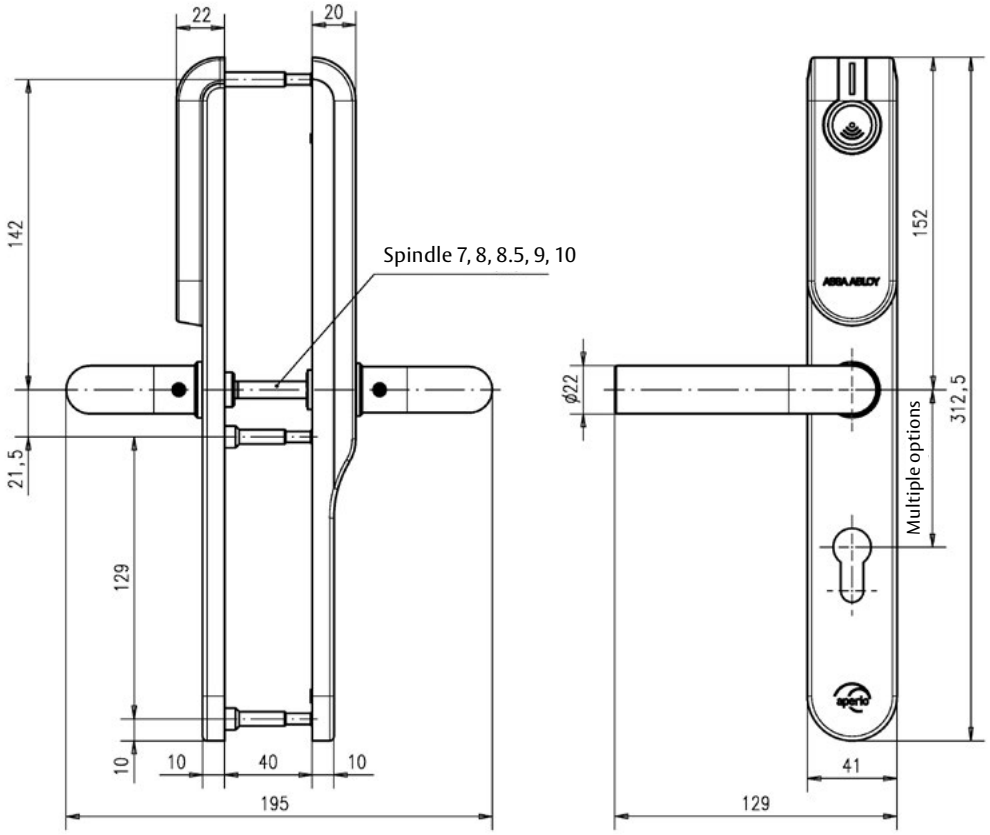
Smart Credential Handling:

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

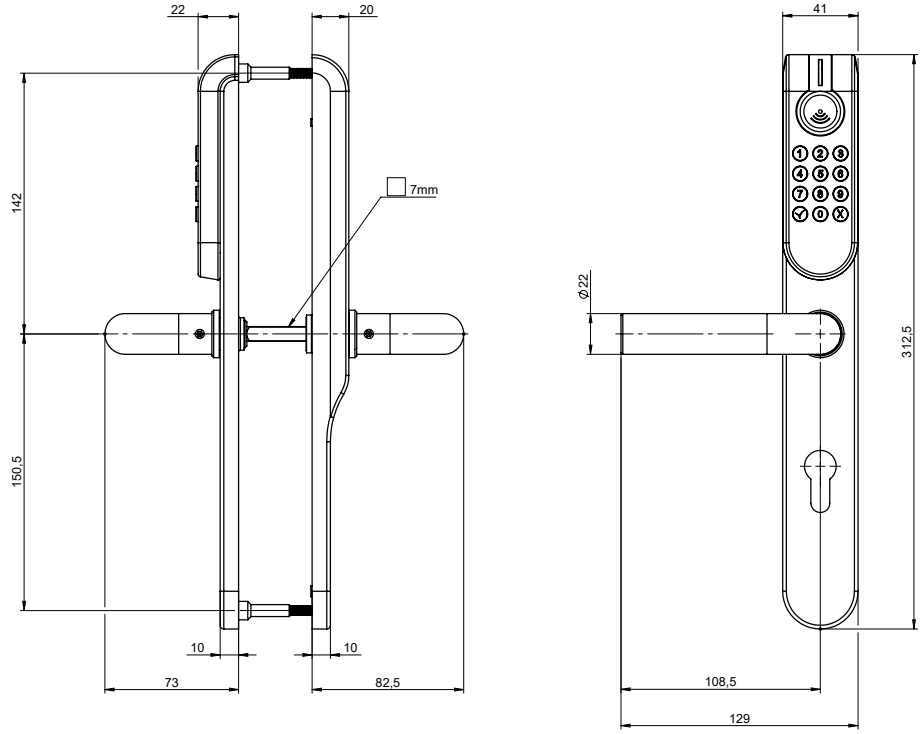
* LEGIC version is not available with BLE
** Except LEGIC
*** Outdoor environments may affect product operability (excessive humidity, salt, extreme temperatures)

Aperio E100 Wireless Escutcheon Euro and French profile
Technical information

E100 European profile



E100 French profile



Aperio E100 Wireless Escutcheon Euro profile

Ordering information

A

Door thickness

A	40-49	N	55-59
B	50-59	O	60-64
C	60-69	P	65-69
D	70-79	Q	70-74
E	80-89	R	75-79
F	90-100	S	80-84
K	40-44	T	85-89
L	45-49	U	90-94
M	50-54	V	95-99

d

Distance

-	blind
0	72mm
1	92mm
2	74mm
3	94mm
4	70mm
5	78mm
6	88mm
7	85mm
9	90mm for Israel
A	63,88mm Australia



5	0	0	1	f	i	r	s	A	c	d	h	1	2	v

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

Cylinder cutout

-	without (blind)
1	Euro profile
3	Swiss round
5	Swiss outside / inside blind
6	Euro outside / inside blind

Square spindle

7	7mm
8	8mm
9	9mm (Fire version)
0	10mm
A	8,5mm (Fire version Austria)

Handle shape

1	L-form
2	U-form

Protocol version

-	normal
P	Privacy

Function

-	normal (Aperio Online and OSS Offline)
f	Aperio Online and Aperio Offline

ID Module (RFID reader)

1	RFID
3	Keypad + RFID
B	RFID IP54
D	Keypad + RFID IP54

RFID technology

C	High Frequency + BLE
B	Legic Multi

Not all combinations are available

Ordering example

5	0	0	1	-	1	c	8	A	1	1	1	1	2	-

- High Frequency + BLE
- 40-50mm door thickness
- 92mm distance
- Aperio Online/Offline
- RFID reader
- 8mm spindle
- Euro profile
- L-form
- no privacy function

Output date: 22.08.2024

Aperio E100 Wireless Escutcheon French profile

Ordering information



Door thickness — A

A	40-49
B	50-59
C	60-69
D	70-79
E	80-89
F	90-99

Distance — d

-	blind
0	72mm
1	92mm
4	70mm

5	0	0	3	f	m	r	s	A	c	d	h	1	2	v

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

Function

-	normal (Aperio Online and OSS Offline)
f	Aperio Online and Aperio Offline

ID Module (RFID reader)

1	RFID
3	Keypad + RFID
B	RFID IP54
D	Keypad + RFID IP54

RFID technology

C	High Frequency + BLE
B	Legic Multi

Cylinder cutout

-	without (blind)
1	Euro profile
6	Euro outside / inside blind

Square spindle

7	7mm
8	8mm

Handle shape

1	L-form
2	U-form

Protocol version

-	normal
P	Privacy

Not all combinations are available

Ordering example

5	0	0	3	-	1	c	8	A	1	1	1	1	2	-

- High Frequency + BLE
- 40-50mm door thickness
- 92mm distance
- Aperio Online/Offline
- RFID reader
- 8mm spindle
- Euro profile
- L-form
- no privacy function

Aperio® E100 Wireless Escutcheon Scandinavian profile

Technical information

ASSA ABLOY Opening Solutions

Experience a safer and more open world

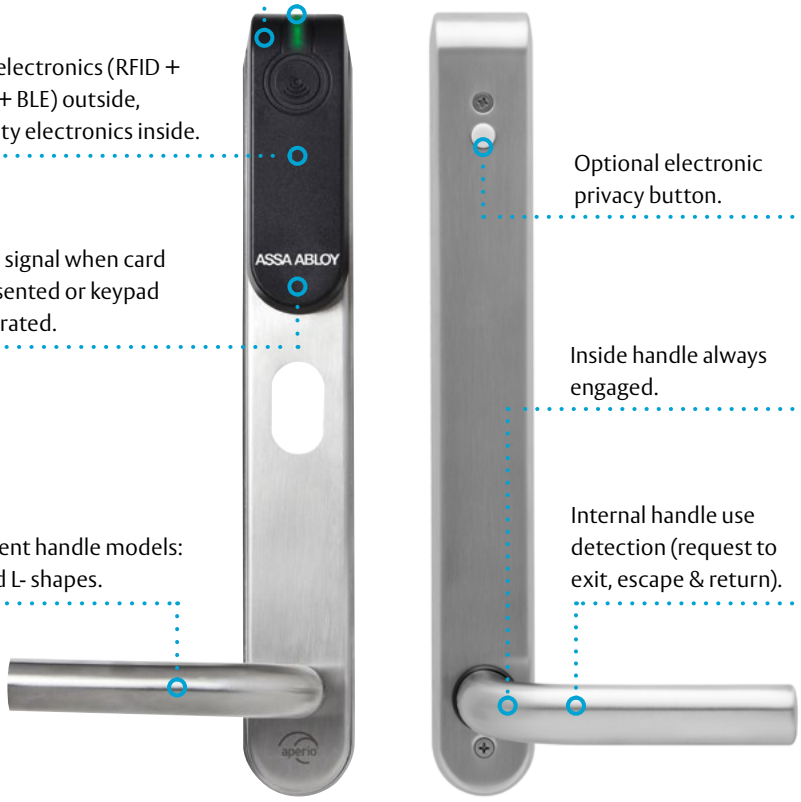
Robust access control with customizable features
The ASSA ABLOY Aperio E100 is the most convenient way to upgrade access control: It is fitted without wiring at the door and works with almost any system, via Online, Offline or OSS-standard offline integration.



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

Inbuilt LED instantly communicates if access is granted or denied.



Main electronics (RFID + radio + BLE) outside, security electronics inside.

Optional electronic privacy button.

Audio signal when card is presented or keypad is operated.

Inside handle always engaged.

Internal handle use detection (request to exit, escape & return).

Different handle models: U- and L- shapes.

Versions:



Standard Keypad

Cutouts:



Cylinder Blind Thumbturn

Easy integration

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

Quick installation

No or minimal drilling. Interconnecting cable.

Flexibility

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

Convenience

Aperio E100 reads industry-leading RFID credentials, as well as mobile (NFC and BLE).

Privacy function (optional)

Electronic privacy button when pressed/ enabled allows the user to restrict access into the area. When engaged, the EAC may still grant access to specific users.

Output date: 22.08.2024

Aperio E100 Wireless Escutcheon Scandinavian profile
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, 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 technology	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
Dimensions	312 × 41 × 10/20 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 33 and 92 mm thick, in 10mm increments
Backset	> 40 mm
Mounting plate	Width: 45 mm
Battery	1 × Lithium CR123A
Battery life (based on reader type)	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	**Standard:** IP 52*** **Premium:** IP 54***
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

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

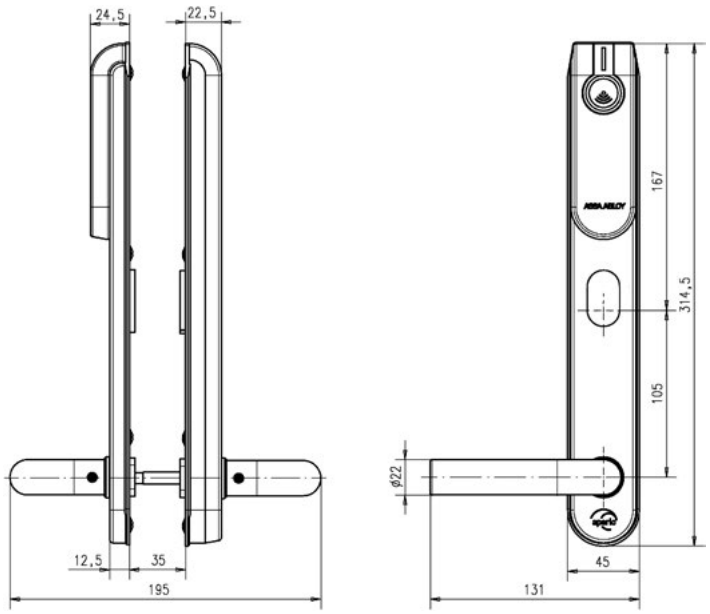
Smart Credential Handling:

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

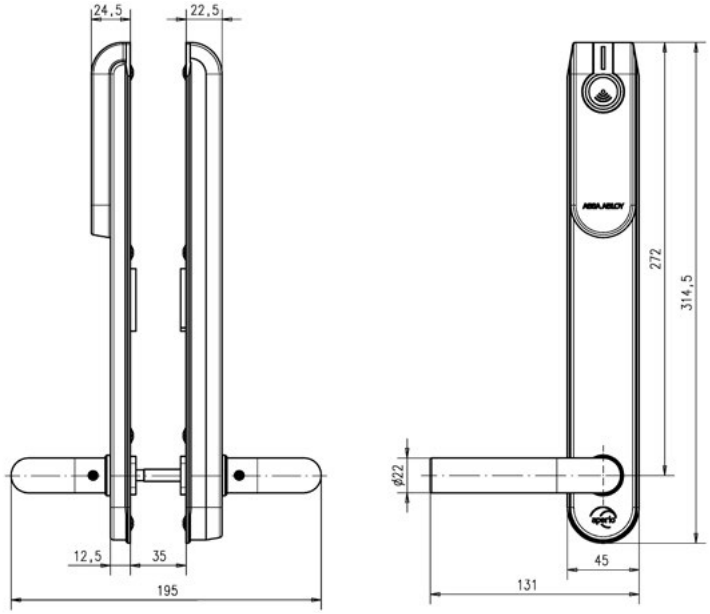
* LEGIC version is not available with BLE
** Except LEGIC
*** Outdoor environments may affect product operability (excessive humidity, salt, extreme temperatures)

Aperio E100 Wireless Escutcheon Scandinavian profile
Technical information

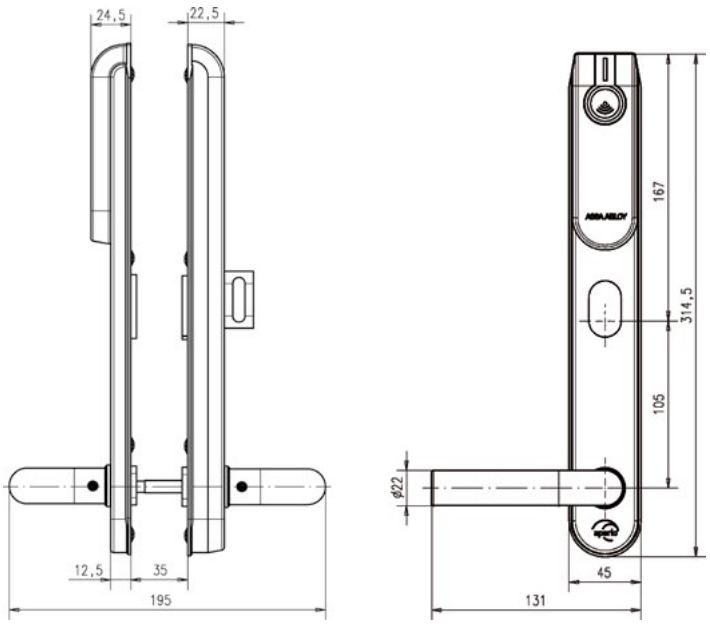
Cylinder cutout



Blind



Thumbturn



Aperio E100 Wireless Escutcheon Scandinavian profile

Ordering information



Door thickness — A

A	33-42
W	38-48
B	43-52
C	53-62
D	63-72
E	73-82
F	83-92

Distance — d

-	blind
8	105mm

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

5	0	0	2	f	m	r	8	A	c	d	h	1	2	v

Function

-	normal (Aperio Online and OSS Offline)
f	Aperio Online and Aperio Offline

ID Module (RFID reader)

1	RFID
3	Keypad + RFID
B	RFID IP54
D	Keypad + RFID IP54

RFID technology

C	High Frequency + BLE
B	Legic Multi

Cylinder

7	Scan oval outside / inside blind
8	Scan oval outside / inside knob
9	Scan outside / inside blind
B	Battery backup Scan

Handle shape

1	L-form
2	U-form

Protocol version

-	normal
P	Privacy

Not all combinations are available

Ordering example

5	0	0	2	-	1	c	8	A	7	8	1	1	2	-

- High Frequency + BLE
- 40-50mm door thickness
- 105mm distance
- Aperio Online/Offline
- RFID reader
- Scan oval outside/ Inside blind
- L-form
- no privacy function

Aperio E100
Optional Covering plate to cover existing boreholes

The decorative plate for the electronic escutcheon can be used for the covering of drilled holes of the previously installed escutcheon.



Ordering number	Version
500ZB-CPLATE-00	for Euro-, Swiss-, French- and Blind-Profiles



Aperio H100 Wireless Handle

Comprehensive information on technical specifications, features, product drawings, and ordering details

Aperio® H100 Wireless Handle Euro profile

Technical Information

ASSA ABLOY
Opening Solutions

Experience a safer and more open world

Powerful access control inside an award-winning slimline door handle
The ASSA ABLOY Aperio H100 is the easy, aesthetically pleasing 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.



Inbuilt LED instantly communicates if access is granted or denied.

Discreet handle with minimal footprint and contemporary design.

U-handle adpater available as an accessory.



Inside handle always engaged.

All electronics and functionality are inside the outer part of the handle.



Profiles and finishes:
Available profiles: Euro, Scandinavian and Finnish.
Available finishes: Satin Chrome or black



Black version available in the future

Easy integration
Aperio H100 works seamlessly with access control systems integrated with Aperio via the AADP protocol or Wiegand hub. No database integration required.

Quick installation
It takes a few minutes to swap a mechanical handle for an Aperio H100.

Flexibility
Can be used with the most common DIN mortise locks – in wooden, steel, and tubular frame doors (and glass doors with standard lock cases).

Convenience
Aperio H100 reads industry-leading RFID credentials, as well as mobile (NFC and BLE).

Output date: 22.08.2024

Aperio H100 Wireless Handle Euro profile
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/Mobile
RFID technologies	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
RFID reading	UID / Sector / Block / Application / File / Depending on the RFID technology
RFID reading range	Up to 4 cm
Mobile technology	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, Fire EN 1634
Dimensions	56 × 55 × 13,5 mm (rose dimensions H × W × D)
Version	Left- and right-hand versions
Handle	L-Shape, U-Shape through adapter (accessory)
Surface	Santin chrome; Black
Spindle	7 mm and 8 mm spindle and 7-8 mm adapter included, 9 mm available as accessory
Door leaf thickness	35-80 mm but with accessory "10 mm distance ring" thinner doors can be used
Backset	Min 30 mm
Battery	1 × Lithium CR123A
Battery life (based on reader type)	30 openings per day for 50 months
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	IP42
Operating temperature range	0°C to 55°C
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
Communication interfaces	Communication via radio (USB dongle) or USB type B adapter (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

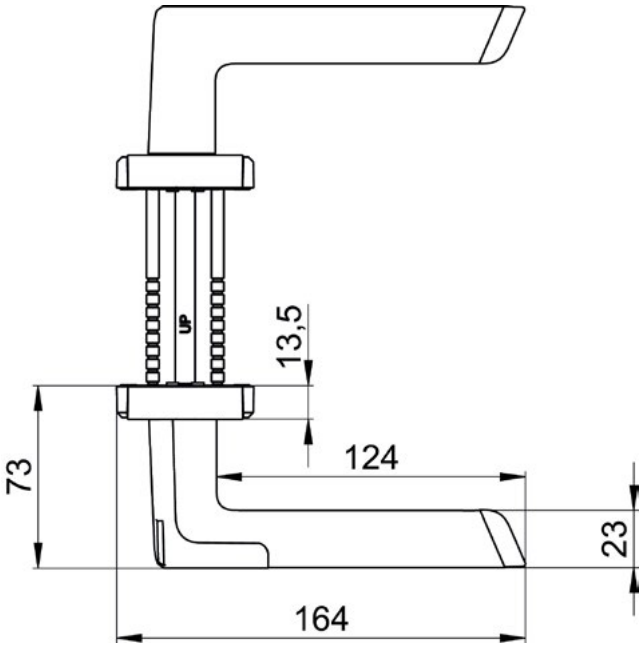
For indoor use

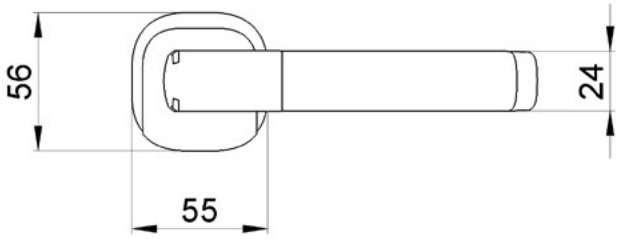
It includes:
- 1 pair of handles with battery (Lithium CR123A)
- Cuttable fixing screws
- 7 mm and 8 mm compatible spindle
- Installation instructions

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

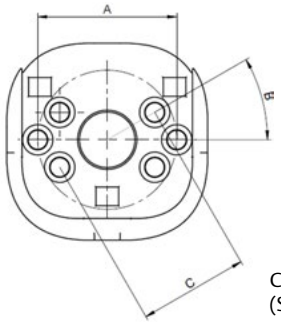
Smart Credential Handling:
Up to 1000 users can be granted access even if the EAC is temporarily down.

Aperio H100 Wireless Handle Euro profile
Technical information





A = 38mm (Euro model)



B = 30°
(Scandinavian model)

C = 30mm
(Scandinavian model)

Aperio H100 Wireless Handle Euro profile
Ordering information

Article code	Finish	Door direction	Integration
AP-H100B8L-EU	Satin chrome	left	Online
AP-H100B8R-EU	Satin chrome	right	Online
AP-H100B8L-EU-F	Satin chrome	left	Offline
AP-H100B8R-EU-F	Satin chrome	right	Offline
AP-H100B8L-EUB	Black	left	Online
AP-H100B8R-EUB	Black	right	Online
AP-H100B8L-EUBF	Black	left	Offline
AP-H100B8R-EUBF	Black	right	Offline

Aperio H100 for glass doors

Meeting rooms, office doors or treatment suites:
Almost any glass door can now be equipped with a wireless access control device.



Aperio® H100 Wireless Handle Scandinavian and Finnish profiles

Technical Information

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

Powerful access control inside an award-winning slimline door handle
The ASSA ABLOY Aperio H100 is the easy, aesthetically pleasing 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.



Inbuilt LED instantly communicates if access is granted or denied.

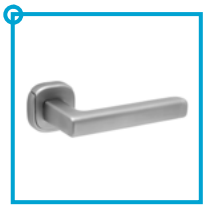
Discreet handle with minimal footprint and contemporary design.

U-handle adpater available as an accessory.



Inside handle always engaged.

All electronics and functionality are inside the outer part of the handle.



Profiles and finishes:
Available profiles: Euro, Scandinavian and Finnish.
Available finishes: Satin Chrome or black



Black version available in the future

Easy integration
Aperio H100 works seamlessly with access control systems integrated with Aperio via the AADP protocol or Wiegand hub. No database integration required.

Quick installation
It takes a few minutes to swap a mechanical handle for an Aperio H100.

Flexibility
Can be used with the most common Scandinavian and Finnish mortise locks – in wooden, steel, and tubular frame doors (and glass doors with standard lock cases).

Convenience
Aperio H100 reads industry-leading RFID credentials, as well as mobile (NFC and BLE).

Output date: 22.08.2024

Aperio H100 Handle Wireless Scandinavian and Finnish profiles
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/Mobile
RFID technologies	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
RFID reading	UID / Sector / Block / Application / File / Depending on the RFID technology
RFID reading range	Up to 4 cm
Mobile technology	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, Fire EN 1634
Dimensions	56 × 55 × 13,5 mm (rose dimensions H × W × D)
Version	Left- and right-hand versions
Handle	L-Shape, U-Shape through adapter (accessory)
Surface	Satin chrome; Black
Spindle	8mm spindle
Door leaf thickness	35-80 mm but with accessory “10 mm distance ring” thinner doors can be used
Backset	Min 30 mm
Battery	1 × Lithium CR123A
Battery life (based on reader type)	30 openings per day for 50 months
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	IP42
Operating temperature range	0°C to 55°C
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
Communication interfaces	Communication via radio (USB dongle) or USB type B adapter (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor use

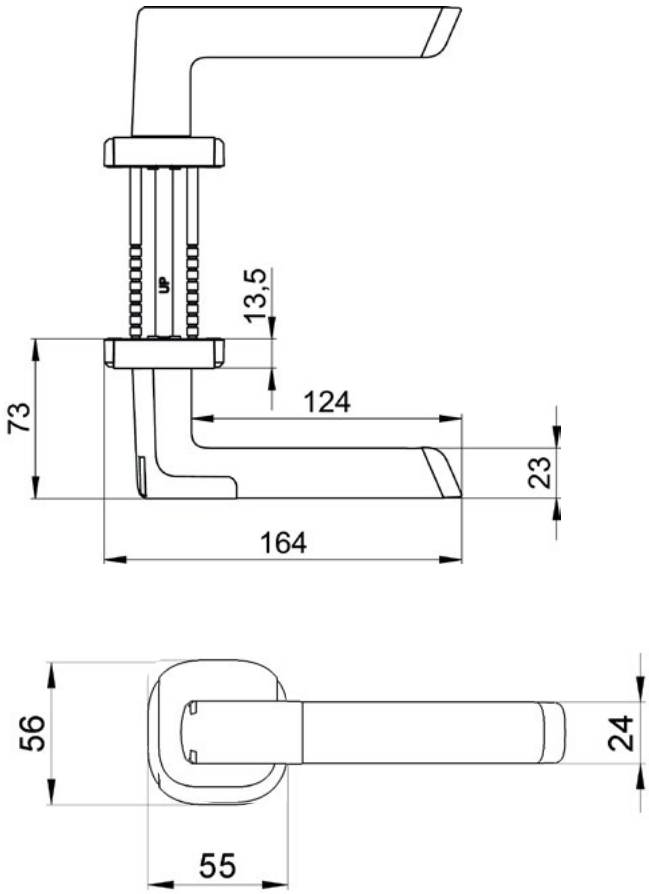
It includes:
- 1 pair of handles with battery (Lithium CR123A)
- Cuttable fixing screws
- 8 mm spindle
- Installation instructions

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

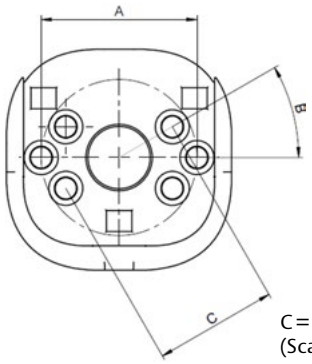
Smart Credential Handling:
Up to 1000 users can be granted access even if the EAC is temporarily down.

Aperio H100 Wireless Handle Scandinavian and Finnish profiles

Technical information

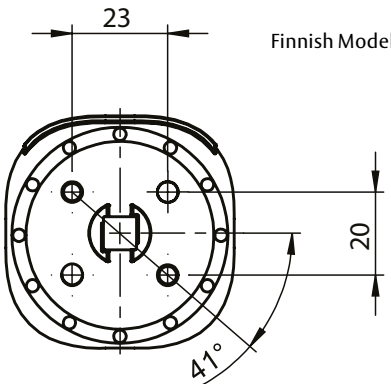


A = 38mm (Euro model)



B = 30°
(Scandinavian model)

C = 30mm
(Scandinavian model)



Finnish Model

Ordering information

Article code	Finish	Profile	Door direction	Integration
AP-H100B8L-SC	Satin chrome	Scandinavian	left	Online
AP-H100B8R-SC	Satin chrome	Scandinavian	right	Online
AP-H100B8L-FI	Satin chrome	Finnish	left	Online
AP-H100B8R-FI	Satin chrome	Finnish	right	Online
AP-H100B8L-SC-F	Satin chrome	Scandinavian	left	Offline
AP-H100B8R-SC-F	Satin chrome	Scandinavian	right	Offline
AP-H100B8L-FI-F	Satin chrome	Finnish	left	Offline
AP-H100B8R-FI-F	Satin chrome	Finnish	right	Offline
AP-H100B8L-SCB	Black	Scandinavian	left	Online
AP-H100B8R-SCB	Black	Scandinavian	right	Online
AP-H100B8L-FIB	Black	Finnish	left	Online
AP-H100B8R-FIB	Black	Finnish	right	Online
AP-H100B8L-SCBF	Black	Scandinavian	left	Offline
AP-H100B8R-SCBF	Black	Scandinavian	right	Offline
AP-H100B8L-FIBF	Black	Finnish	left	Offline
AP-H100B8R-FIBF	Black	Finnish	right	Offline



Aperio C100 Wireless Cylinder

Find Comprehensive information on technical specifications, features, product drawings, and ordering details

Aperio® C100 Wireless Double Knob Cylinder Euro profile

Technical information

ASSA ABLOY
Opening Solutions

Experience a safer and more open world

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.



Easy integration
Aperio C100 works seamlessly with access control systems integrated with Aperio via the 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 European DIN/Swiss mortise locks. Also suitable on glass doors.

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

Output date: 22.08.2024

Aperio C100 Wireless Double Knob Cylinder Euro profile
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/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	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 15684:2012 (16B0AF30), fire EN1634 door up to T90
Version	Fixed or demountable knob versions with or without RFID-reader
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)	Basic length 30/30 mm, extendable in 5 mm increments
Fixing screw	60, 70, 85 mm or without
Battery	1 × Lithium CR2 (per RFID knob)
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 device and hub	Up to 25m depending on the building environment
Class of protection	IP 65*
Operating temperature range	-20°C to 55°C*
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor use

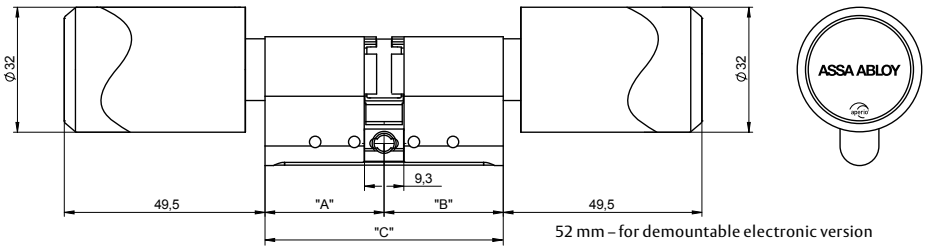
It includes:
- 1 double knob cylinder with battery (Lithium CR2)
- Optional fixing screw
- Installation instructions
- Knob tool needs to be ordered separately

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.

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

Dimensions in mm



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

Aperio C100 Wireless Double Knob Cylinder Euro profile (E/M)

Ordering information

External knob= Electronic; Internal knob= Mechanical

Version
- 5 E/MR (eletronic outside/mechanical removable inside)
- 6 ER/MR (electronic removable outside/mechanical removable inside)

RFID technology
- C HF + BLE
- B Legic

Function
- 0 normal (Aperio Online and OSS Offline)
- f Aperio Online and Aperio Offline

Cam position
- – without cam
- 2 fixed position

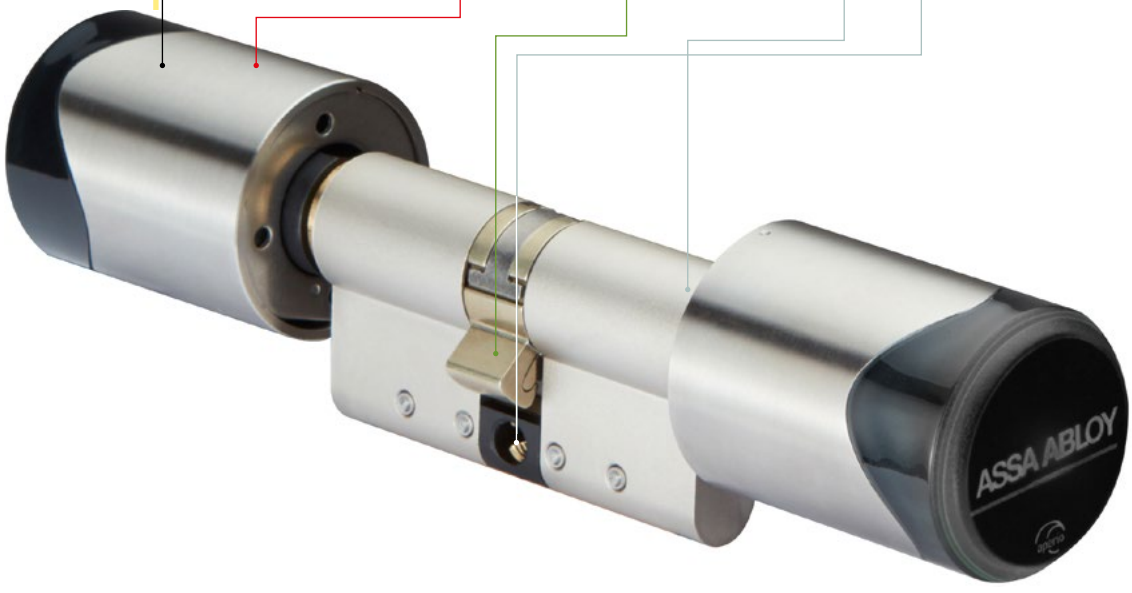
Cylinder profile
- 0 Euro Profile
- 3 Swiss round 22mm

Screw length
- – without
- 0 85 mm
- 1 60 mm
- 2 70 mm

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

5	0	v	2	0	1	r	f	c	la	lb	p	s	–	–



Ordering example

5	0	5	2	0	1	C	f	–	2	1	0	–	–	–

- 5: Electronic external, Mechanical internal
- C: High Frequency and BLE
- f: Aperio Online/Offline
- –: Without cam
- 2: External cylinder 40mm
- 1: Internal cylinder 35mm
- 0: Euro profile
- –: Without screw

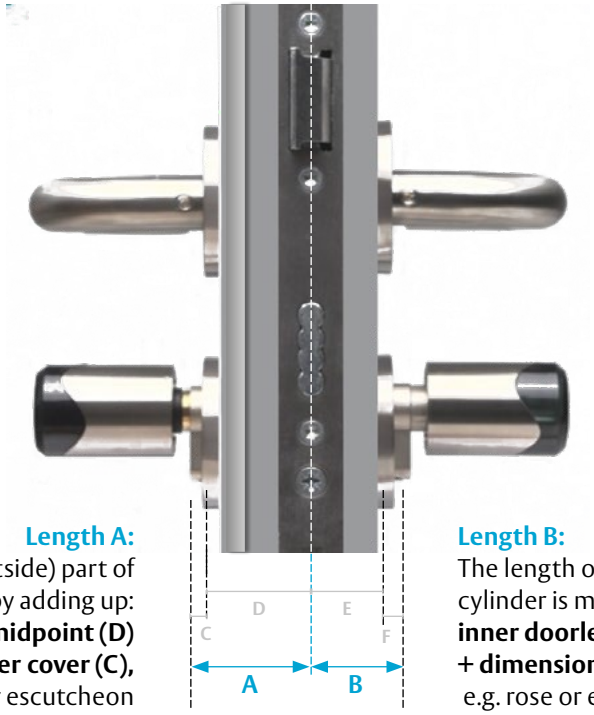
Aperio C100 Wireless Double Knob Cylinder Euro profile (E/M)

Ordering information

External knob= Electronic; Internal knob= Mechanical

How to measure the cylinder length

Outside part



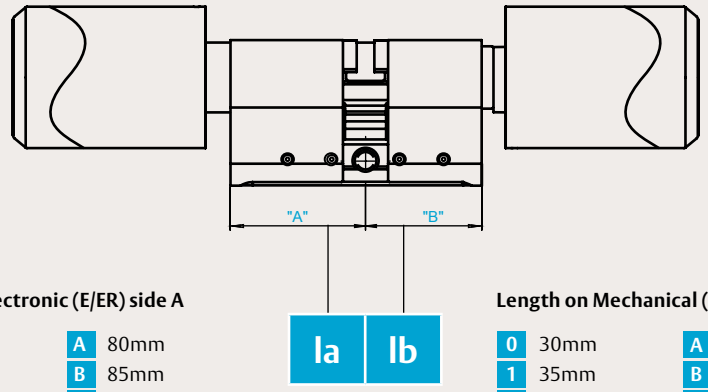
Inside part

Length A:
The length of the electronic (outside) part of the cylinder is measured by adding up:
outer doorleaf thickness to the midpoint (D) + dimension of the outside cylinder cover (C),
e.g. rose or escutcheon

Length B:
The length of the mechanical (inside) part of the cylinder is measured by adding up:
inner doorleaf thickness to the midpoint (E) + dimension of the inside cylinder cover (F),
e.g. rose or escutcheon

Ia | Ib Choose cylinder length to build your ordering number

Outside part



Inside part

Length on Electronic (E/ER) side A

0	30mm	A	80mm
1	35mm	B	85mm
2	40mm	C	90mm
3	45mm	D	95mm
4	50mm	E	100mm
5	55mm	F	105mm
6	60mm	G	110mm
7	65mm	H	115mm
8	70mm	I	120mm
9	75mm		

Ia | Ib

Length on Mechanical (M/MR) side B

0	30mm	A	80mm
1	35mm	B	85mm
2	40mm	C	90mm
3	45mm	D	95mm
4	50mm	E	100mm
5	55mm	F	105mm
6	60mm	G	110mm
7	65mm	H	115mm
8	70mm	I	120mm
9	75mm		

Note:
If the resulting figure from adding C and D, or E and F is not a round number (ending in 0 or 5), choose the immediately higher value for that figure (for example, if the sum of C and D, or E and F is 78mm, choose the value 80mm)

Aperio C100 Wireless Double Knob Cylinder Euro profile (E/E)

Ordering information

External knob= Electronic; Internal knob= Electronic

Knob
- 3 E/ER (eletronic outside/electronic removable inside)
- 4 ER/ER (electronic removable outside/electronic removable inside)

RFID technology
- C HF + BLE
- B Legic

Function
- 0 normal (Aperio Online and OSS Offline)
- f Aperio Online and Aperio Offline

Cam position
- – without cam
- 2 fixed position

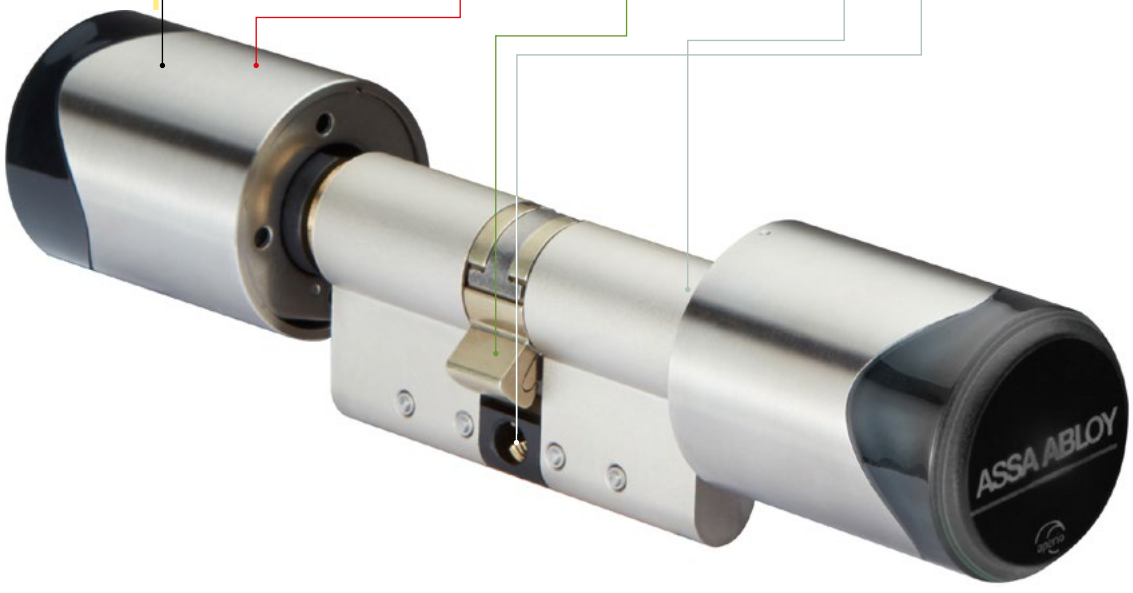
Cylinder profile
- 0 Euro Profile
- 3 Swiss round 22mm

Screw length
- – without
- 0 85 mm
- 1 60 mm
- 2 70 mm

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

5	0	k	2	0	1	r	f	c	la	lb	p	s	–	–



Ordering example

5	0	3	2	0	1	C	f	–	2	1	0	–	–	–

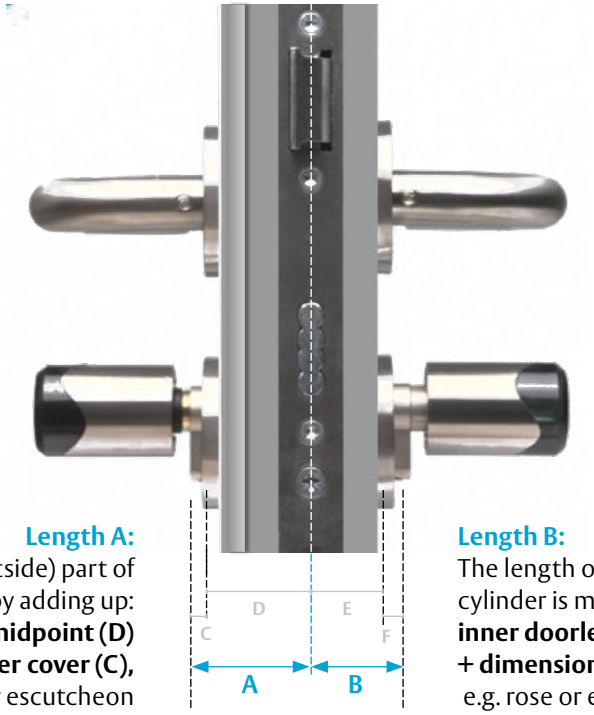
- 3: Electronic external / Electronic removable internal
- C: High Frequency and BLE
- f: Aperio Online/Offline
- –: Without cam
- 2: External cylinder 40mm
- 1: Internal cylinder 35mm
- 0: Euro profile
- –: Without screw

Aperio C100 Wireless Double Knob Cylinder Euro profile (E/E)

Ordering information

External knob= Electronic; Internal knob= Electronic

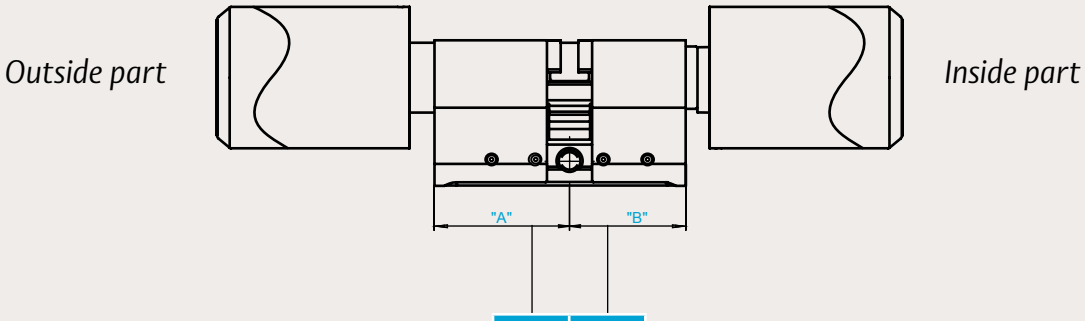
How to measure the cylinder length



Length A:
The length of the electronic (outside) part of the cylinder is measured by adding up:
outer doorleaf thickness to the midpoint (D) + dimension of the outside cylinder cover (C),
e.g. rose or escutcheon

Length B:
The length of the electronic inside part of the cylinder is measured by adding up:
inner doorleaf thickness to the midpoint (E) + dimension of the inside cylinder cover (F),
e.g. rose or escutcheon

Ia | Ib Choose cylinder length to build your ordering number



Ia | Ib

Length on Electronic (E/ER) side A

0	30mm
1	35mm
2	40mm
3	45mm
4	50mm
5	55mm
6	60mm
7	65mm
8	70mm
9	75mm
A	80mm
B	85mm
C	90mm
D	95mm
E	100mm
F	105mm
G	110mm
H	115mm
I	120mm

Electronic (E/ER) side B

0	30mm
1	35mm
2	40mm
3	45mm
4	50mm
5	55mm
6	60mm
7	65mm
8	70mm
9	75mm
A	80mm
B	85mm
C	90mm
D	95mm
E	100mm
F	105mm
G	110mm
H	115mm
I	120mm

Note:
If the resulting figure from adding C and D, or E and F is not a round number (ending in 0 or 5), choose the immediately higher value for that figure (for example, if the sum of C and D, or E and F is 78mm, choose the value 80mm)

Aperio® C100 Wireless Single Knob Cylinder Euro profile

Technical information

ASSA ABLOY
Opening Solutions

Experience a safer and more open world

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.



Easy integration

Aperio C100 works seamlessly with access control systems integrated with Aperio via the 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 European DIN/Swiss mortise locks. Also suitable on glass doors. Secure sensitive assets by retrofitting lockers, cabinets or server racks.

Convenience

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

Output date: 22.08.2024

Aperio C100 Wireless Single Knob Cylinder Euro profile
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/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	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 15684:2012 (16B0AF30), fire EN1634 door up to T90
Version	Fixed or demountable knob versions with RFID-reader
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)	Basic length 30 mm, extendable in 5 mm increments
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 device and hub	Up to 25m depending on the building environment
Class of protection	IP 65*
Operating temperature range	-20°C to 55°C*
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor use

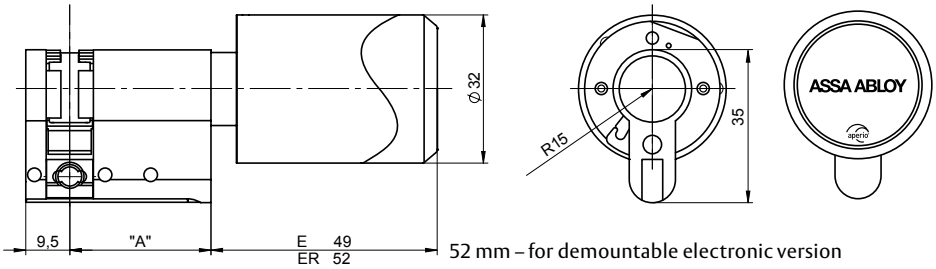
It includes:
- 1 single knob cylinder with battery (Lithium CR2)
- Optional fixing screw
- Installation instructions
- Knob tool needs to be ordered separately

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.

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

Dimensions in mm



52 mm – for demountable electronic version

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

Aperio C100 Wireless Single Knob Cylinder Euro profile

Ordering information

External knob = Electronic

Knob
- **7** E (eletronic outside)
- **8** ER (electronic removable outside)

RFID technology
- **C** HF + BLE
- **B** Legic

Function
- **0** normal (Aperio Online and OSS Offline)
- **f** Aperio Online and Aperio Offline

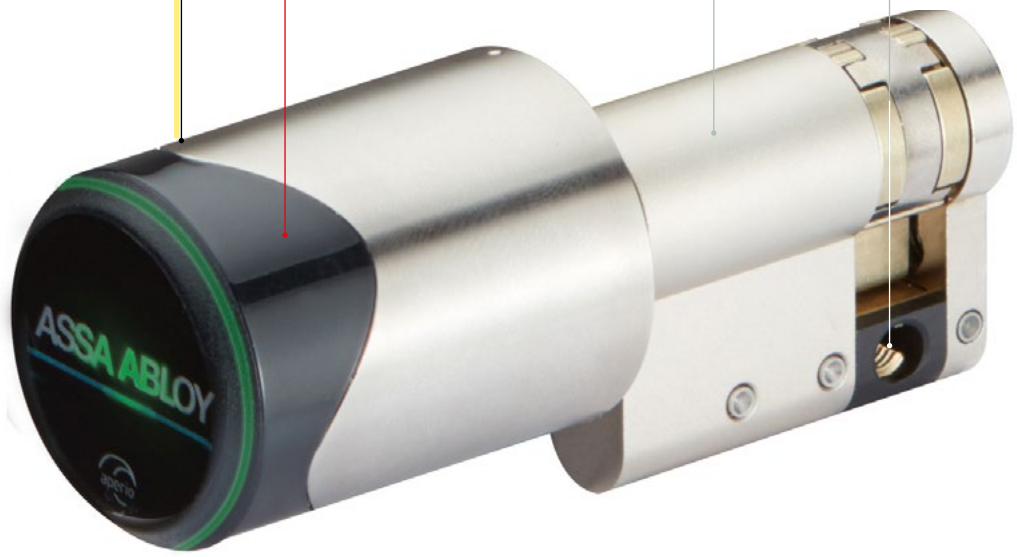
Cylinder profile
- **0** Euro Profile
- **3** Swiss round 22mm

Screw length
- **–** without
- **0** 85 mm
- **1** 60 mm
- **2** 70 mm

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

5	0	k	2	0	1	r	f	–	la	–	p	s	–	–

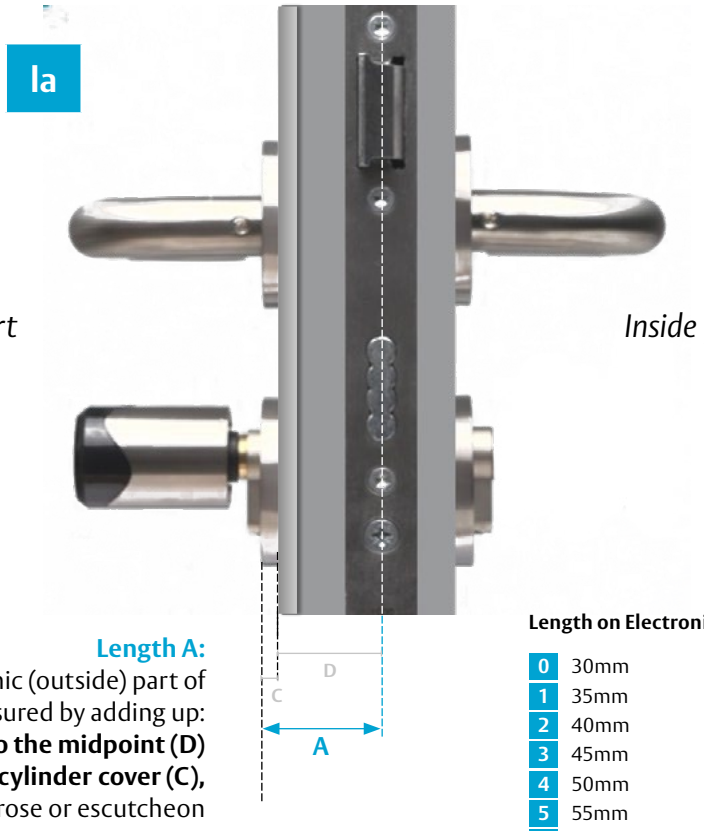


Aperio C100 Wireless Single Knob Cylinder Euro profile

Ordering information

External knob = Electronic

How to measure the cylinder length



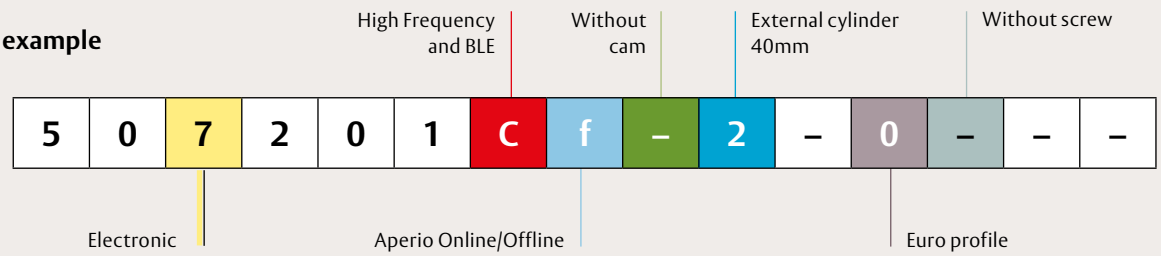
Length A:
The length of the electronic (outside) part of the cylinder is measured by adding up:
outer doorleaf thickness to the midpoint (D) + dimension of the outside cylinder cover (C),
e.g. rose or escutcheon

Length on Electronic side A

0	30mm	A	80mm
1	35mm	B	85mm
2	40mm	C	90mm
3	45mm	D	95mm
4	50mm	E	100mm
5	55mm	F	105mm
6	60mm	G	110mm
7	65mm	H	115mm
8	70mm	I	120mm
9	75mm		

Note:
If the resulting figure from adding C and D is not a round number (ending in 0 or 5), choose the immediately higher value for that figure (for example, if the sum of C and D, or E and F is 78mm, choose the value 80mm)

Ordering example



Aperio® C100 Wireless Server Rack Cylinder Euro profile

Technical information

ASSA ABLOY
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The non-disruptive way to extend access control to server racks
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.



Available in Euro profile only. SCAN and Swiss mechanical cylinders may be replaced with standard C100 single cylinders.

The standalone photo shows left-handed version.

Easy integration
Aperio C100 works seamlessly with access control systems integrated with Aperio via the 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.

Security
Depending on the rack cabinet's lock, door is automatically locked upon closing, increasing security.

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

Output date: 22.08.2024

Aperio C100 Wireless Server Rack Cylinder Euro profile
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/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	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 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 in 30mm length with right- and left-handed variants
Fixing screw	Without or 60mm
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 device and hub	Up to 25m depending on the building environment
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 micro-USB Interface
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor use

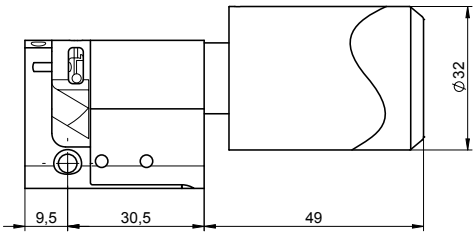
It includes:
- 1 single knob cylinder with battery (Lithium CR2)
- Optional fixing screw
- Installation instructions
- Knob tool needs to be ordered separately

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

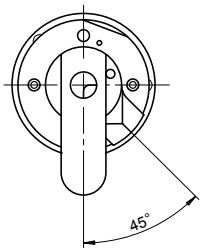
Smart Credential Handling:
Up to 1000 users can be granted access even if the EAC is temporarily down.

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

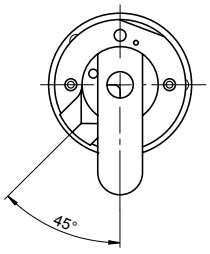
Dimensions in mm



52 mm – for demountable electronic version



Left-handed version



Right-handed version

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

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Aperio C100 Wireless Server Rack Cylinder Euro profile

Ordering information

External knob = Electronic

Knob
- **7** E (eletronic outside)
- **8** ER (electronic removable outside)

RFID technology
- **C** HF + BLE
- **B** Legic

Function
- **0** normal (Aperio Online and OSS Offline)
- **f** Aperio Online and Aperio Offline

Version
- **3** right-handed
- **4** left-handed

Special Design
- **0** no screw
- **1** screw 60 mm

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

5	0	k	2	0	1	r	f	s	–	–	–	d	–	–



Ordering example

High Frequency and BLE | right-handed version | no screw

5	0	k	2	0	1	C	f	3	–	–	–	0	–	–

Electronic outside | Aperio Online/Offline

Aperio C100 for glass doors

Meeting rooms, office doors or treatment suites:
Almost any glass door can now be equipped with a wireless access control device.



It takes just 2 minutes to replace a mechanical cylinder with an Aperio C100 electronic cylinder. ASSA ABLOY offers a choice of locksets for easy combination with Aperio cylinders. Contact your local representative.

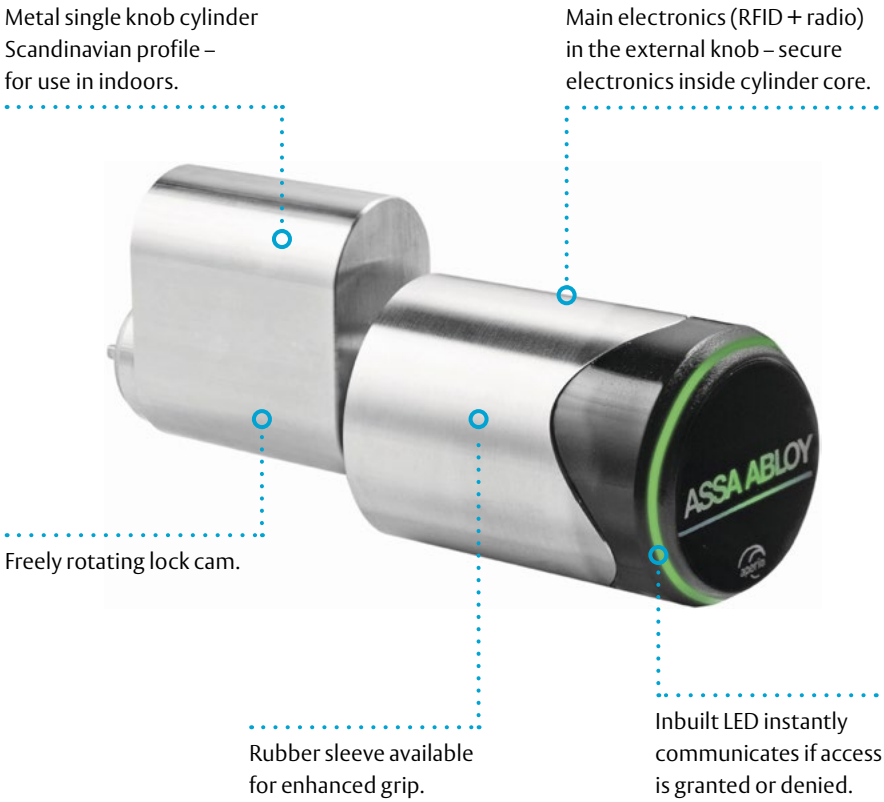
Aperio® C100 Wireless Single Knob Cylinder Scandinavian profile

Technical information

ASSA ABLOY
Opening Solutions

Experience a safer
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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.



Easy integration

Aperio C100 works seamlessly with access control systems integrated with Aperio via the 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 and BLE).

Output date: 22.08.2024

Aperio C100 Wireless Single Knob Cylinder Scandinavian profile

Technical information

Documents and certificates

Technical data and features

Authentication	CARD/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	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 15684:2012 (16B0AF30)
Version	Fixed or demountable knob versions with RFID-reader
Knob dimensions	42 × 32 mm (L × Ø) for standard electronics
Surface	Knob surface: stainless steel
Cylinder length (LENGTH=A/LENGTH=B)	Standard length 40 mm (including tail piece)
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 device and hub	Up to 25m depending on the building environment
Class of protection	IP 65*
Operating temperature range	-20°C to 55°C*
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
Communication interfaces	Communication via radio (USB dongle) or m icro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor use

It includes:

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

Communicates with:

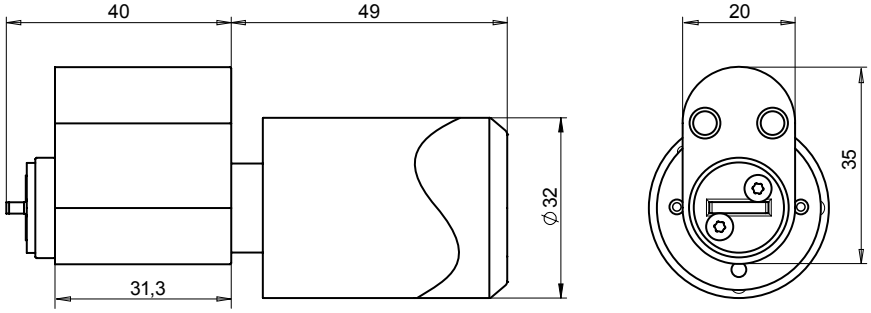
- RS485 Communication Hub
- Aperio IP Communication Hub
- Wiegand Interface (standard and advanced versions) Communication Hub

Smart Credential Handling:

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

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

Dimensions in mm



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

Aperio C100 Wireless Single Knob Cylinder Scandinavian profile

Ordering information

External knob= Electronic



RFID technology

C	HF + BLE
B	Legic

Function

0	normal (Aperio Online and OSS Offline)
f	Aperio Online and Aperio Offline

White cells:
Default values (don't change the given values)

Coloured cells:
Choose the right value by looking at the different options in the illustration

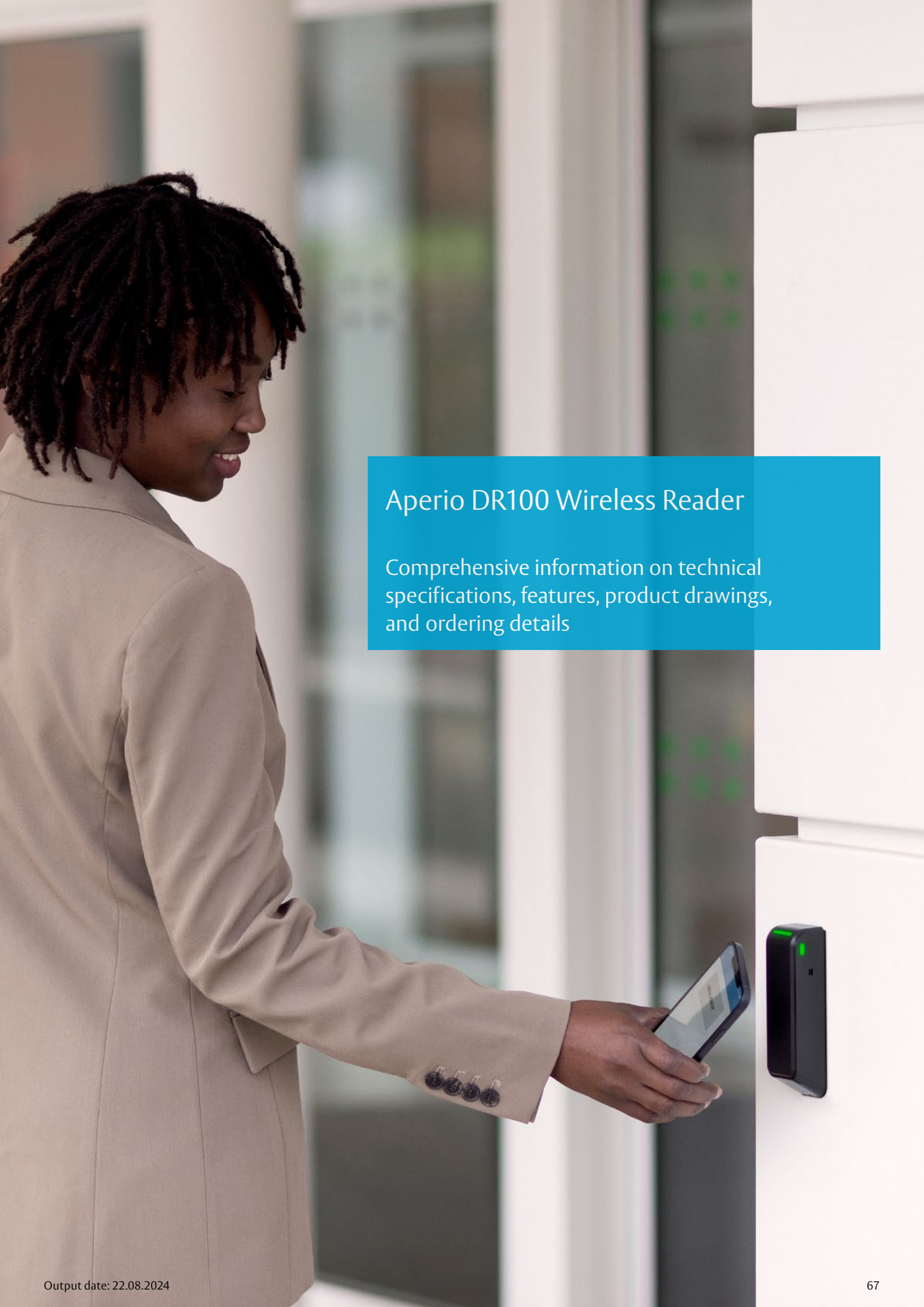
5	0	7	2	1	1	r	f	–	–	–	2	–	–	–

Ordering example

High Frequency and BLE

5	0	7	2	1	1	C	f	–	–	–	2	–	–	–

Aperio Online/Offline



Aperio DR100 Wireless Reader

Comprehensive information on technical specifications, features, product drawings, and ordering details

Aperio® DR100
Wireless Wall Reader with Relays

Technical information

ASSA ABLOY
Opening Solutions

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Robust access management for high traffic doors
The ASSA ABLOY Aperio DR100 is the quickest way to upgrade access control: It works with almost any system, via Online, Offline or OSS-standard offline integration.



Flexibility
Universal compatibility with traditional electromechanical locking devices

Easy integration
Aperio DR100 works seamlessly with access control systems integrated to Aperio via AADP protocol or the Wiegand hub. No database integration required.

Easy installation
Easy surface-mounted, no-cut installation

Convenience
Aperio DR100 reads industry-leading RFID credentials, as well as mobile (NFC and BLE).

Output date: 22.08.2024

Aperio DR100 Wireless Wall Reader with Relays
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/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
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
Dimensions	Reader: 140,8 x 45,5 x 32,5 mm (H x W x D) Relay: 150,8 x 45,5 x 27,5 mm (H x W x D)
Surface	UV resistant ABS plastic
Door leaf thickness	Up to 355,6 mm (14”)
Battery	Hard-powered: 12-24 VDC
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	IP 65 makes it durable and appropriate for outdoor use
Operating temperature range	-10°C to 60° C
Relative humidity	93 % RH at 32° C
Status	LED (red/green/orange)
Door sensor information	Tamper detection Doors position (open/closed) Request to exit input
Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor and exterior use

It includes:
- 1 Reader module
- 1 Secure Relay module
- (4X) 4-20 Self Tapping screw
- 1 T8 Security Torx Bit
- 4-40 Security Torx screw
- Alcohol Swab
- Wire Sealing Gromment
- Wire Harness Extender

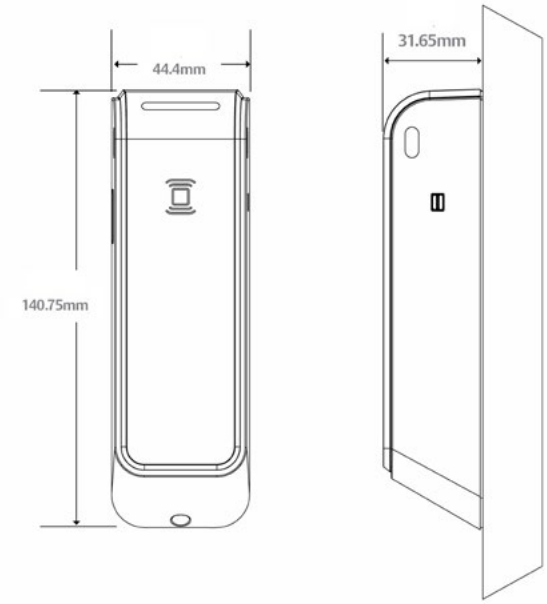
Communicates with:
- RS485 Communication Hub
- Aperio IP Communication Hub
- Wiegand Interface (Standard and advanced versions)
- Communication Hub

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

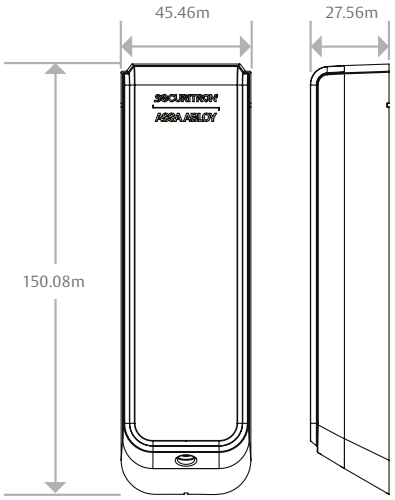
Aperio DR100 Wireless Wall Reader with Relays
Technical information

Dimensions

Wall reader (outside)



Relay board (inside)



Aperio DR100 Wireless Wall Reader with Relays
Ordering information

Article code	Description
DR100C-BIPSXXXXX-EU	Aperio V3 Wall Reader with Relays IP65



Aperio KL100
Wireless Locker/Cabinet Lock

Comprehensive information on technical specifications, features, product drawings, and ordering details

Aperio® KL100 Wireless Locker / Cabinet Lock

Technical information

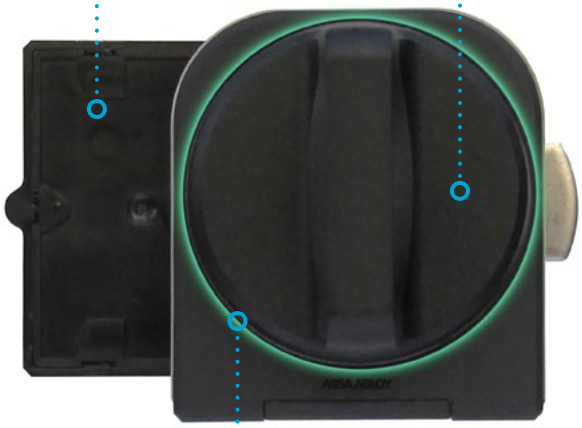
ASSA ABLOY Opening Solutions

Experience a safer and more open world

Wireless protection for your lockers and cabinets
The ASSA ABLOY Aperio KL100 is the easiest way to upgrade access control at many openings beyond doors.
It is fitted without wiring or drilling the cabinet door and works with almost any system, via Online, Offline or OSS-standard offline integration.

Battery, located inside the door, is easy to replace in seconds with a single screw.

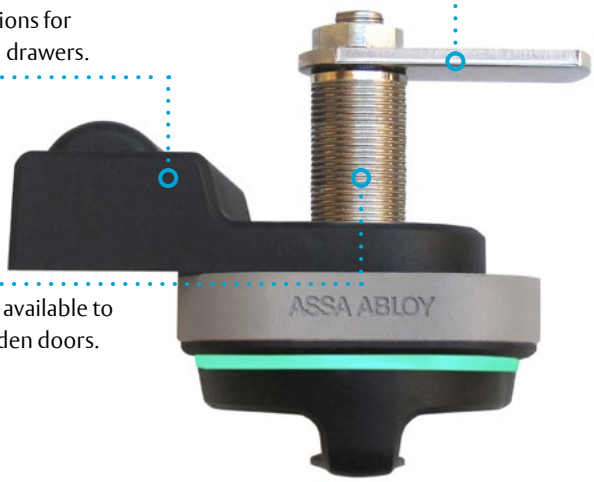
Discreet, with a minimal visual footprint and contemporary design.



Inbuilt LED instantly communicates if access is granted or denied.

Several cams available.

Four locking positions for both cabinets and drawers.



Four lock versions available to fit metal and wooden doors.

Easy integration

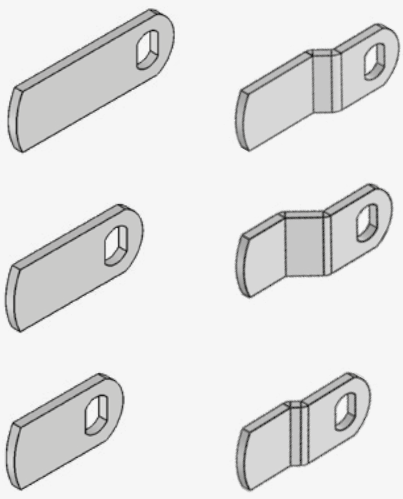
Aperio KL100 works seamlessly with access control systems integrated with Aperio via the AADP protocol or Wiegand hub. No database integration required.

Quick installation

It only takes a few minutes to swap a mechanical cylinder for an Aperio KL100.

Flexibility

Ideal for retrofit projects, KL100 allows you to tailor your solution with a wide range of cam types.



Output date: 22.08.2024

Aperio KL100 Wireless Locker / Cabinet lock
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/Mobile
RFID technologies	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
RFID reading	UID / Sector / Block / Application / File / 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
Version	**Two lengths:** Short and long cylinders to fit metal and wooden doors **Two hole diameters:** 19mm and 22mm
Dimensions	**Short:** 57 × 63 × 58,5 mm (Exterior Dimensions H × W × D) **Long:** 57 × 63 × 75 mm (Exterior Dimensions H × W × D)
Surface	Cover: black and grey
Battery	1 × Lithium CR123A
Battery life	25 openings per day for 106 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 55°C
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
Configuration interface	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor use

It includes:

- One KL100 unit with battery (Lithium CR123A)
- One cam
- Installation instructions
- Accessories

Communicates with:

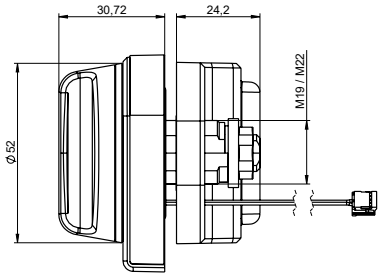
- RS485 Communication Hub
- Aperio IP Communication Hub
- Wiegand Interface (standard and advanced versions) Communication Hub

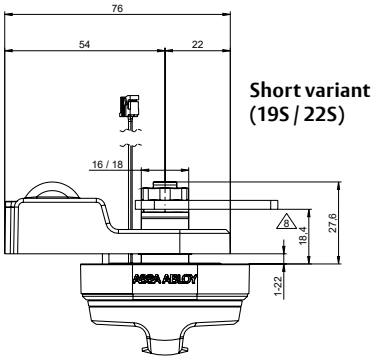
Smart Credential Handling:

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

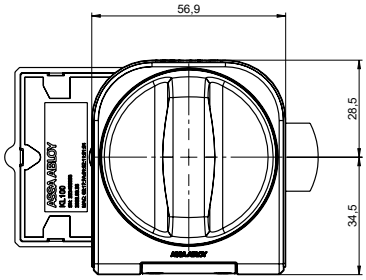
Aperio KL100 Wireless Locker / Cabinet lock
Technical information

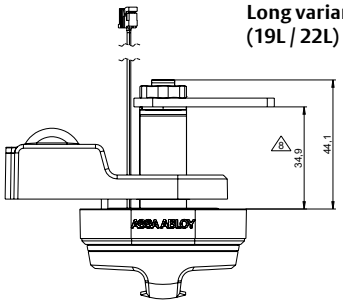
Dimensions in mm





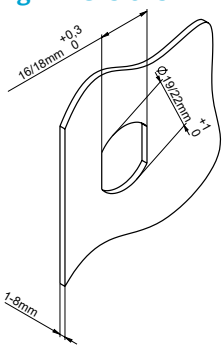
Short variant
(19S / 22S)



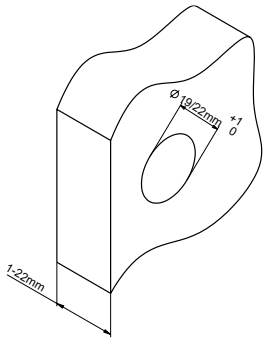


Long variant
(19L / 22L)

Drilling dimensions



Metal door



Wooden door

Ordering information

Article code	Shaft length	Shaft thickness
AP-KL100-22L	Long version	22 mm
AP-KL100-22S	Short version	22 mm
AP-KL100-19L	Long version	19 mm
AP-KL100-19S	Short version	19 mm

Aperio P100 Wireless Padlock

Comprehensive information on technical specifications, features, product drawings, and ordering details



Aperio® P100 Wireless Padlock

Technical information

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

Convenient and flexible protection for sensitive indoor and outside areas
The ASSA ABLOY Aperio P100 is the quickest way to upgrade access control: It is fitted without wiring or drilling and works with almost any system, via Online, Offline or OSS-standard offline integration.



IP 66 makes it durable and appropriate for outdoor use

Robust design for multiple applications

Easy to operate

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

Flexibility
P100 protects fences, gates, storage cages, racks, containers, tool cabinets and other non-standard openings.

Easy integration
Aperio P100 works seamlessly with access control systems integrated with Aperio via the AAPD protocol or Wiegand hub. No database integration required.

Easy installation
It takes seconds to swap a mechanical padlock for an Aperio P100.

Convenience
Aperio P100 reads industry-leading RFID credentials, as well as mobile (NFC).

Output date: 22.08.2024

Aperio P100 Wireless Padlock
Technical information

Documents and certificates

Technical data and features

Authentication	CARD/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
RFID reading	UID / Sector / Block / Application / File Segment Data – Depending on the RFID technology
RFID reading range	Up to 4 cm
Mobile technologies	NFC
Approvals	CE, UKCA
Dimensions	Body: 111,1 mm x 53,5 mm (H x W) - 42,5 Ø Shackle: 63,3 mm X 39,5 mm (H x W) - 8,7 Ø
Surface	Cover case: PA 66, 20% GF. Black colour
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 device and hub	Up to 25m depending on the building environment
Class of protection	IP 66
Operating temperature range	-20°C to 55°C
Relative humidity	< 85% (condensation-free)
Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline

For indoor and exterior use

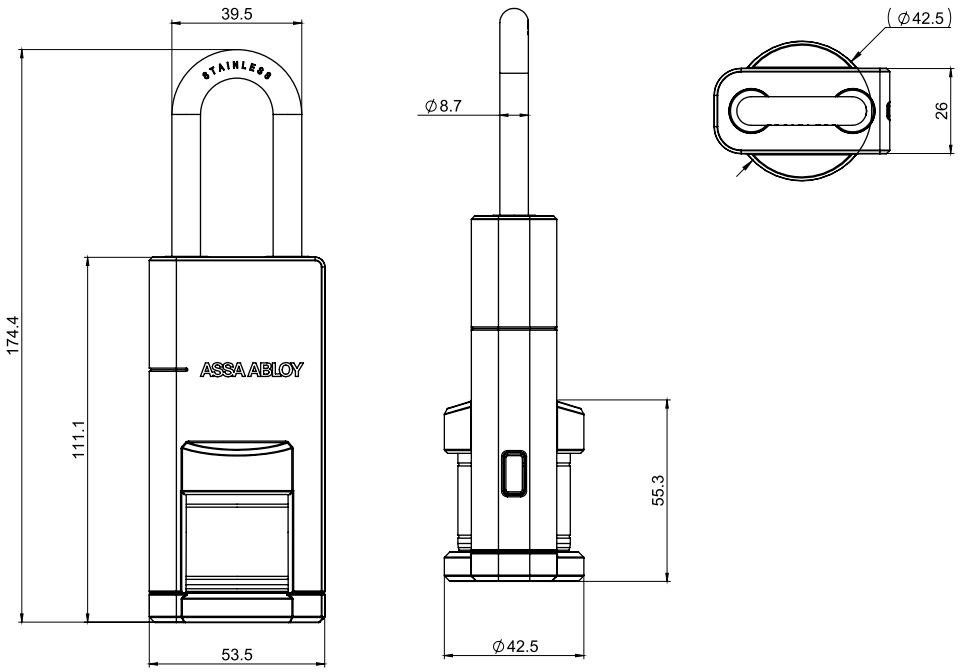
It includes:
- 1 Padlock assembly with battery (Lithium CR2)
- Installation instructions
- Battery change tool

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.

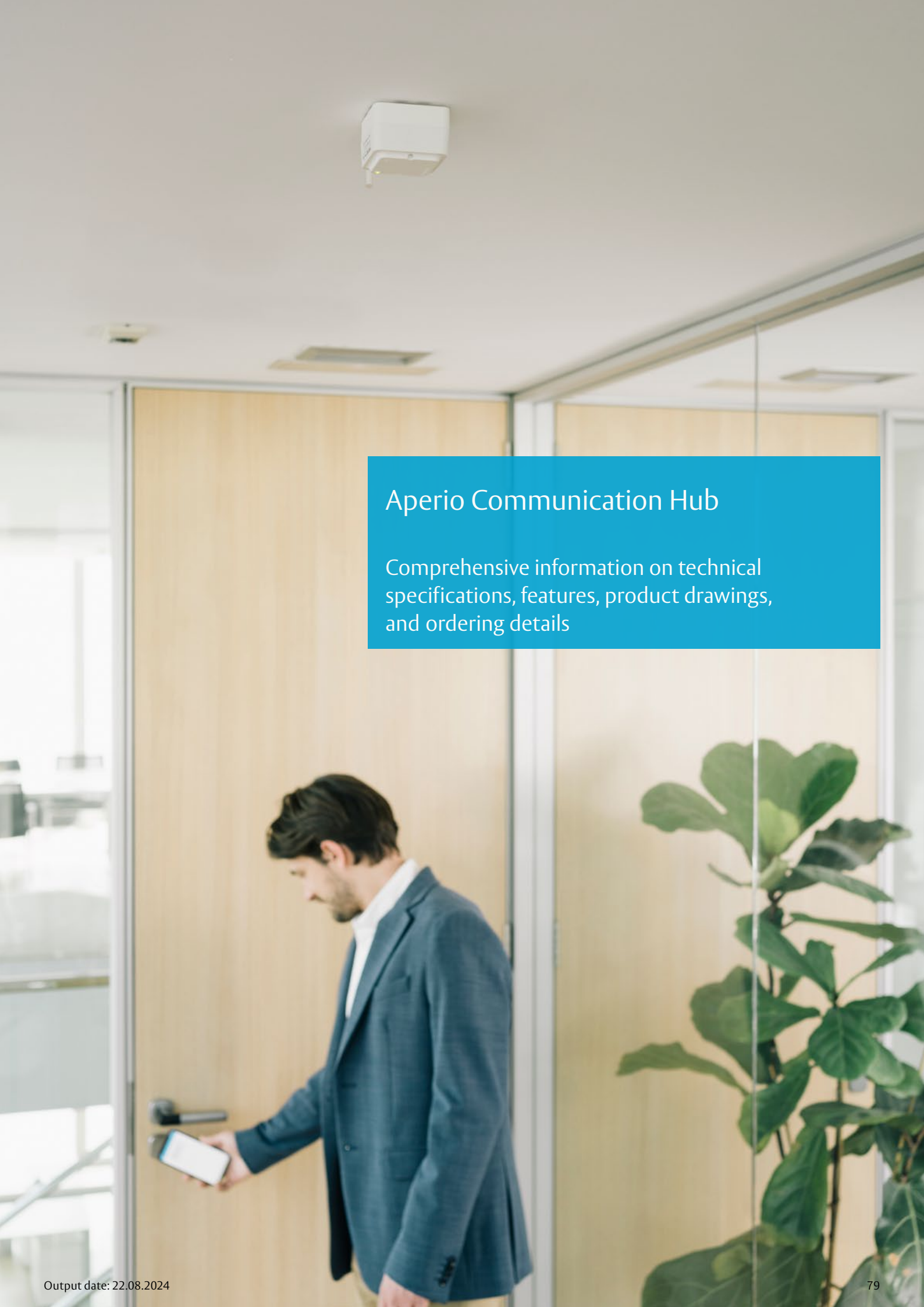
Aperio P100 Wireless Padlock
Technical information

Dimensions in mm



Aperio P100 Wireless padlock
Ordering information

Article code	Description
P100-100	Aperio V3 Padlock IP66



Aperio Communication Hub

Comprehensive information on technical specifications, features, product drawings, and ordering details

Aperio®
Communication Hub

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

Communication happens in real time
Control up to 64 doors with Aperio communication hubs for indoor use.
Easy and cost-effective to install, the hub is the nexus between Aperio devices and the EAC system.

Communication between hubs and Aperio devices happens in real time. Encrypted radio communication.

Integrated antenna with the option to mount an external antenna.



The hubs are easy and cost-effective to install.

Built-in tamper switch. Detection of removal from bracket.

For standard electrical installation boxes with 60mm fixing screw distance. They fit in standard flush-mounted boxes.

The range of transmission to Aperio devices is up to 25 m.

Event Log in the hub.

The user receives a quick overview of the status of the hub and locks connected via an LED signal pattern (communication, activation, status, etc).

Firmware upgrade possibilities.

AH40 Gen5 Communication Hub
- For connection to EAC system
- TCP/IP communication encrypted using TLS 1.1/1.2
- Control up to 64 locks
- PoE (Power over Ethernet) or external power supply

AH30 Gen5 Communication Hub
- Connection to the EAC system via RS485 bus (addressable)
- Control up to 16 locks

AH20 Standard Wiegand Gen5 Communication Hub
- 1-to-1 communication
- For connection to EAC system via Wiegand interface
- Compatible with most access control systems – no protocol integration needed

AH20 Advanced Wiegand Gen5 Communication Hub
- 1-to-1 communication
- For connection to EAC system via Wiegand interface
- Compatible with most access control systems – no protocol integration needed
- Four specific function relay outputs: These relay outputs can be connected to the controller.

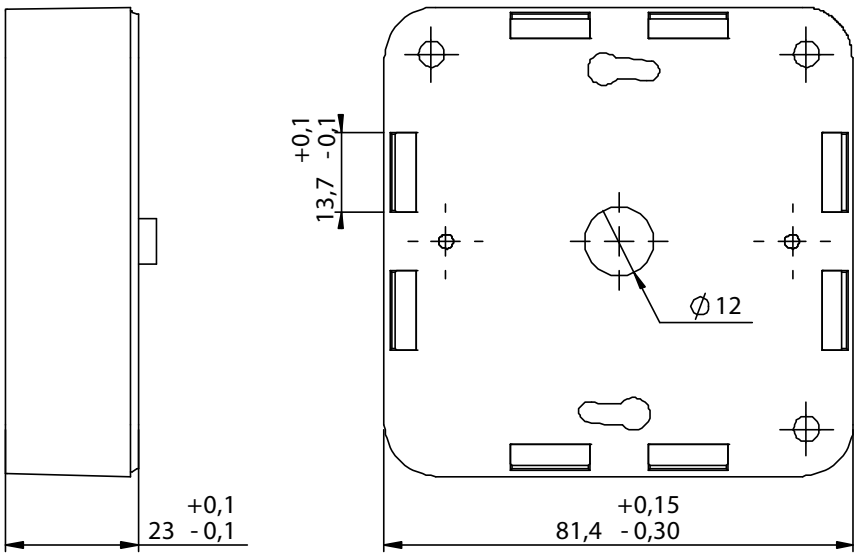
Aperio Communication Hub
Technical information

Documents and certificates

Technical data and features	Model name			
	AH40 Gen5	**AH30 Gen5**	**AH20 Standard Gen5**	**AH20 Advanced Gen5**
Approvals	CE, ETL, FCC, IC, C-Tick, CB, UK CA	CE, ETL, FCC, IC, C-Tick, UK CA	CE, ETL, FCC, IC, C-Tick, UK CA	CE, ETL, FCC, IC, C-Tick, UK CA
Safety and emissions	IEC 62368-1:2014, EN 62368-1:2014 + A11:2017, UL/CSA 62368-1:2014, EN 301 489-1 V2.1.1, EN 301 489-17 V3.2.0, EN 300 328 V2.2.2, EN 50130-4:2011 + A1:2014, EN 62311, FCC 47CFR Part 15 subpart B and subpart C, ISED RSS-247 and ICES-003, AS/NZS 4268			
Connections	IP connection	RS485	Wiegand	Wiegand
Doors integratable	64	16	1	1
Dimensions	82 × 82 × 37 mm (H × W × D)			
Required power supply	8-24 VDC or Power over Ethernet (PoE) PoE: IEEE 802.3af compliant class 1 Powered device (PD) External Power supply: The power supply is able to deliver minimum 1.2W. The power supply shall be 3 A over current protected.	8 – 24V, DC 0.8W	8 – 24V, DC 0.8W	8 – 24V, DC 2W
Relay ratings	n/a	n/a	n/a	4 × 30VDC/15W resistive load. The messages are fixed as follows: DPS (Door Position), RX (Request to exit), Battery Alarm Output, Tamper Alarm/ Lock Jammed Output.
Radio standard	IEEE 802.15.4 (2400 – 2483,5MHz), 16 channels (11-26)	IEEE 802.15.4 (2400 – 2483,5MHz), 16 channels (11-26)	IEEE 802.15.4 (2400 – 2483,5MHz), 16 channels (11-26)	IEEE 802.15.4 (2400 – 2483,5MHz), 16 channels (11-26)
Encryption (radio communication)	AES 128 bits			
Receiver sensitivity	-100 dBm			
Wireless operating range	Range of up to 25m			
Internal antenna	2 cross polarized dipoles			
External antenna	One reverse polarity SMA external antenna connector. AH40 is certified for use with ASSA ABLOY external antenna AH-ANTENNA-1. If other external antenna is used it must be of same type (dipole) and not have larger antenna gain than 3.6 dBi.			
Class of protection	IP 20			
Tamper detection	Yes. Tamper switch detects removal from wall bracket. Signal to the system via communication protocol.	Yes. Tamper switch detects removal from wall bracket. Signal to the system via communication protocol.	Yes. Not functional – for future use.	Yes. Tamper switch detects removal from wall bracket. Signal to the system via wired relay output.
Operating temperature range	5°C to 35°C			
Relative humidity	Less than 95% (non-condensing)			
Status	LED (red/green/orange)			

It includes:

- 1 hub with installation instructions
- Fixing screws to mount hub to wall housing
- Wall mount bracket


+0,1
13,7 -0,1
Ø12
+0,1
23 -0,1
+0,15
81,4 -0,30

Aperio Communication Hub
Ordering information

Standard Aperio hubs

Description	Door control	Article code
Aperio Wiegand Hub – Standard Gen 5	1-to-1 communication	AH20-WIESTD_G5
Aperio Wiegand Hub – Advanced Gen 5	1-to-1 communication	AH20-WIEADV_G5
Aperio RS485 Hub Gen5	Up to 16 doors	AH30-RS485_G5
Aperio Hub IP AH40 Gen5	Up to 64 doors	AH40-IP_G5

Aperio hubs for Mercury partners

Choose your Hub version and **complete it (+)** with the code for Mercury partner.
Ordering example:
Hub IP 1:64 Mercury for Genetec: Ordering number: AH40-IP_G5**MS**

Description	Door control	Article code
Hub RS485 1:16 Mercury	Up to 16 doors	AH30-RS485_G5
Hub IP 1:64 Mercury	Up to 64 doors	AH40-IP_G5

+

Code	Mercury partner
M1	SECURITY
M2	HONEYWELL
M3	LENEL
MA	DHS, KERI Systems
MJ	JCI
MP	Avigilon, Motorola, PLASEC
MR	MIDPOINT
MS	Genetec
MU	S2 (Lenel)
NA	ACRE (RS2, Identicard, Open Options, Feensics, Vanderbilt)
NB	BRIVO
NC	IDCUBE
ND	TDS (ACRE)
NE	Matrix (ACRE)

The Aperio Mercury partners list is constantly growing. If you don't find your EAC system provider, contact your ASSA ABLOY representative.

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

ASSA ABLOY
Opening Solutions

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

Output Date: 22.08.2024

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