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



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).

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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	IP40
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

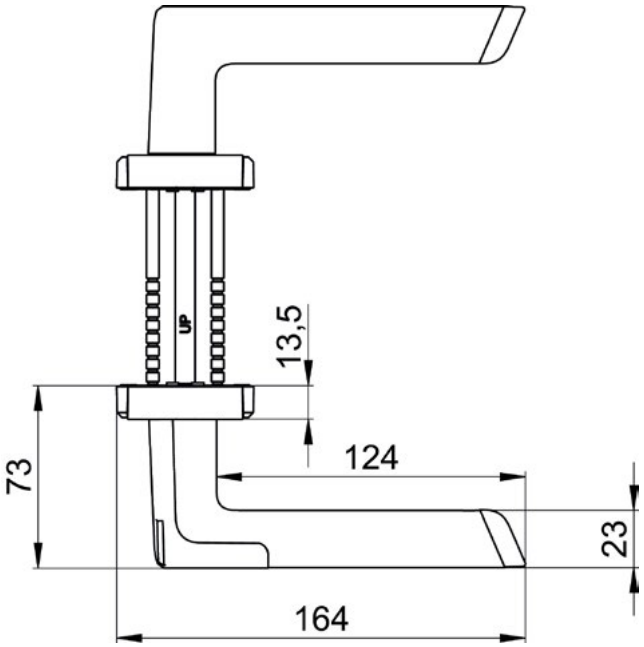
Communicates with:

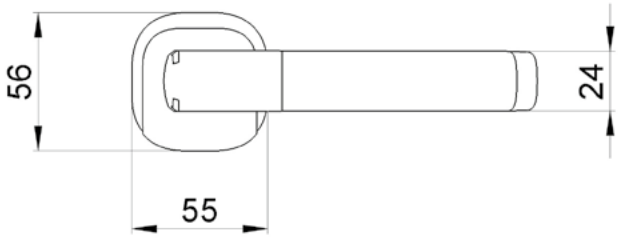
- RS485 Communication Hub
- Aperio IP Communication Hub
- Wiegand Interface (standard and advanced versions) Communication Hub

Smart Credential Handling:

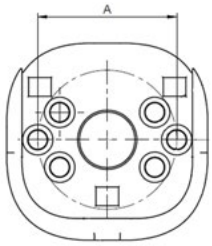
Up to 1000 users can be granted access even if the EAC is temporarily down.

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A = 38mm (Euro profile)



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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

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