



Product description

Wireless Aperio® handle which can be integrated into any access control system via AADP protocol integration or via Aperio Wiegand Hub

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

Online or offline mode is selected in software during product initialization (accessories PAP tool and radio dongle or cable required)

When online, communication from hub to the Online Access Control System (addressable) - access decision in the EAC system

All electronics and functionality are in the outside part of the handle

Outside handle rotates freely - inside handle always engaged

LED for status visualization

Discrete handle with minimum footprint and contemporary design

ASSA ABLOY Sicherheitstechnik GmbH is using open source code in this product. For more information visit <http://www.assaabloy.com/com/global/opensourcelicense/>

* It should be observed that harsh environments may affect product operability (excessive humidity, salt, extreme temperatures)

Only the standard versions of the various components are shown below. Further versions, prices and spare parts can be found in our Aperio® product configurator at: www.assaabloy.com/de/de/service/kundenportal

Please register under my 'ASSA ABLOY'.

Scope of delivery

- 1 pair of handles with battery (Lithium CR123A) and installation instructions
- Cuttable fixing screws
- 7 mm and 8 mm spindle
- Accessories pack

Technical data

Authentication	One level of authentication (CARD/Smartphone Only)
Approvals	CE, EN1906: 26-B010B
Dimension	56 x 55 x 13,5 mm (Rose dimensions H x W x D)
Version	Interior doors
Handle	L-Shape, U-Shape through adapter (accessory)
Surface	Satin chrome
Spindle	7 mm and 8 mm spindle and 7-8 mm adapter included, 9 mm available as accessory
Door leaf thickness	Between 35-80 mm but with accessory "10 mm distance ring" thinner doors can be used
Battery	1 x Lithium CR123A
Battery life (Based on reader type)	High Frequency Multiclass: 30 openings per day for 50 months
Radio standard	IEEE 802.15.4 (2.4 GHz)
Encryption (radio communication)	AES 128 bits
Distance between the RFID-Reader and hub	Up to 25m depending on the building environment
Class of protection	IP42
Operating temperature range	0°C to 55°C
Relative humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
RFID Technologies (Based on reader type)	High Frequency: iCLASS®/ISO 14443B; iCLASS Seos; MIFARE Classic® / MIFARE® DESFire® EV1, EV2 & EV3
RFID reading	UID / Sector / Block / Application / File
RFID Reading range	< 4 cm

Communication interfaces	Communication via radio (USB dongle) or USB type B adapter (accessory)
Offline and Online operation modes	Aperio® Online; Aperio® Offline; Standard OSS Offline
Mobile Technology	NFC and BLE (Bluetooth Low Energy)

Variants that can be ordered

Order number	Description
H100B8R-EU	Online door handle MIFARE® DESFire®, handle direction right
H100B8L-EU	Online door handle MIFARE® DESFire®, handle direction left

Accessories/Individual parts

Order number	Product
99 0x_Battery	Spare battery
99 04_PAP tool	Aperio PAP tool and wireless dongle
99 04_USB dongle	USB radio dongle programming application tool