

# Aperio® DR100

## Wireless Wall Reader with Relays

### Technical information

Experience a safer  
and more open world

#### 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).

# Aperio DR100 Wireless Wall Reader with Relays

## Technical information



Documents  
and certificates

### Technical data and features

	<b>Authentication</b>	CARD/Mobile
	<b>RFID technologies (based on reader type)</b>	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
	<b>RFID reading</b>	UID / Sector / Block / Application / File Segment Data – Depending on the RFID technology
	<b>RFID reading range</b>	Up to 4 cm
	<b>Mobile technologies</b>	Seos, STid and Gallagher-enabled mobile credentials via BLE and NFC Seos and DESFire mobile credentials in Apple Wallet and Google Wallet
	<b>Approvals</b>	CE, UKCA
	<b>Dimensions</b>	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)
	<b>Surface</b>	UV resistant ABS plastic
	<b>Door leaf thickness</b>	Up to 355,6 mm (14")
	<b>Battery</b>	Hard-powered: 12-24 VDC
	<b>Radio standard</b>	IEEE 802.15.4 (2.4 GHz)
	<b>Encryption (radio communication)</b>	AES 128 bits
	<b>Distance between device and hub</b>	Up to 25m depending on the building environment
	<b>Class of protection</b>	IP 65 makes it durable and appropriate for outdoor use
	<b>Operating temperature range</b>	-10°C to 60° C
	<b>Relative humidity</b>	93 % RH at 32° C
	<b>Status</b>	LED (red/green/orange)
	<b>Door sensor information</b>	Tamper detection Doors position (open/closed) Request to exit input
	<b>Communication interfaces</b>	Communication via radio (USB dongle) or micro-USB cable (accessory)
	<b>Offline and Online operation modes</b>	Aperio Online; Aperio Offline; 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 Grommet
- Wire Harness Extender



### Communicates with:

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



### Smart Credential Handling:

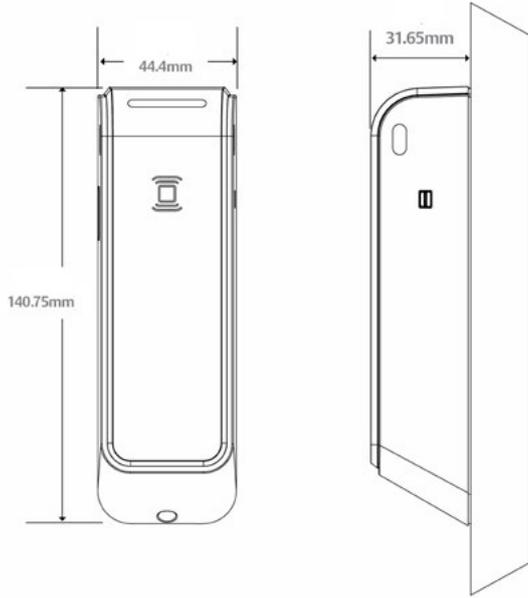
Up to 1000 users can be granted access even if the EAC is temporarily down.

# Aperio DR100 Wireless Wall Reader with Relays

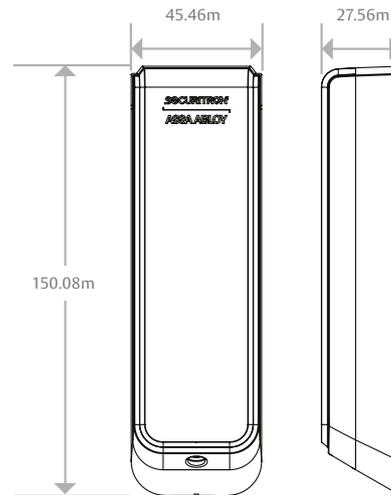
## Technical information

### Dimensions

Wall reader (outside)



Relay board (inside)



# Aperio DR100 Wireless Wall Reader with Relays

## Ordering information

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

ASSA ABLOY Opening Solutions Middle East  
P.O. Box 37765  
National Industries Park (NIP)  
Dubai  
United Arab Emirates  
info.me.open@assaabloy.com  
Tel.: +971 4880 4888  
www.assaabloy.com