

Aperio Wireless Locks

OVERVIEW

The Assa Abloy, Aperio lock solution is a new technology range that enables mechanical locks to be wirelessly linked to existing access control systems.

In the case when highly secure CEM readers are not required, doors can be fitted with Aperio lock technology, creating a fully integrated and managed lock solution within the AC2000 access control system. This eradicates the need to exchange or update user credentials to support wireless locks.

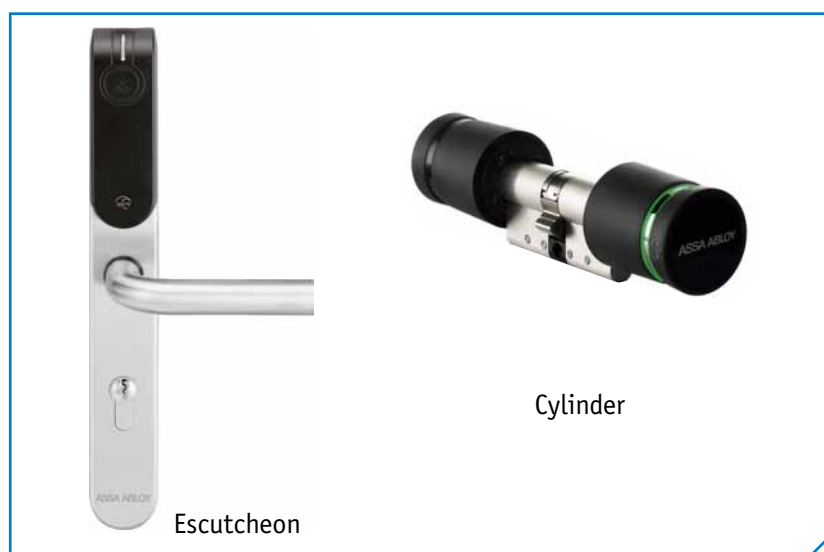
Aperio lock solutions currently support 13.56 MHz MiFare and iClass card technologies.

Online lock transactions mean that the AC2000 system is updated in real time guaranteeing a high level of control and visibility of transactions.

The Aperio locks operate with a card read for entry and a mechanical exit configuration, including deadbolt locks.

LED verification provides users with information about card validity at the door, as well as the transaction being passed to the AC2000 system. (e.g. Card Valid, Invalid).

The Aperio locks come in both Escutcheon and Cylinder versions.



FEATURES

- Wireless Online lock
- Convenient and easy to integrate with existing AC2000 installations
- Communication secured by AES128 bit encryption
- Can be fitted to door thickness (40mm – 100mm)
- LED verification of transactions. Green LED indicates valid transaction, Red LED for invalid transaction
- Battery lifetime is in excess of 40,000 transactions
- Spare batteries available
- AC2000 Aperio Wireless locks are available in:
 - AC2000 SE (Standard Edition) v5.7 software & upwards
 - AC2000 Lite v5.7 software & upwards

PRODUCT HIGHLIGHTS
Benefits

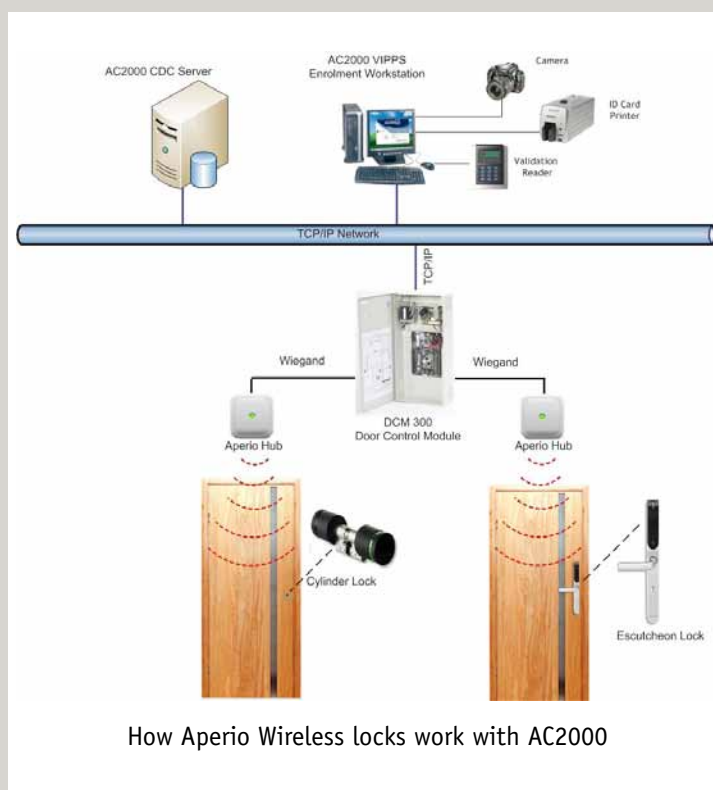
With an Aperio wireless lock solution, no cabling is required to the actual lock installation. Door inputs can be wired to the DCM300 for alarm monitoring. Additional doors can be added to customer's security system at a low additional cost. Doors fitted with Aperio lock technology are fully integrated and managed within the existing AC2000 system. Online transactions allow real time alarms and events to be passed to the central AC2000 system (if inputs wired) and customers have the convenience of using existing ID cards.

Types/Versions

Locks come in Cylinder and Escutcheon handle types, with specific versions available for European and Scandinavian style locks. The cylinder version is for use on mechanical keylock doors and Escutcheon version is typically for use on new doors that require a complete lock and handle unit. An Aperio hub comes included as standard with a Cylinder lock or Escutcheon lock purchase.

Electronics

All secure electronics are stored on the secure side of the door, with main power electronics in the non secure side of the door, to ensure maximum possible security of the device.


TECHNICAL SPECIFICATIONS
PHYSICAL

Size	
Cylinder knob	42 x 36mm
Escutcheon	312 x 4 1x 10/20mm
Aperio Hub	82 x 82 x 13mm
Colour	Black and Silver
Battery	1 x Lithium CR2 battery
Environmental Temperature	Indoor use 0°C to 60°C
Humidity	< 85% non condensing

FUNCTIONALITY

Read Head Specification	
Card Motion	Presentation
Available Head Technologies	
Cylinder	13.56 MHz HID iClass 13.56 MHz MiFare
Escutcheon	13.56 MHz MiFare
Distance between reader and Aperio Hub	5mtrs max, same side of the wall

COMMUNICATION INTERFACE

Lock to Aperio Hub	Secure AES128bit encrypted 802.11g 2.4GHz WiFi
Aperio Hub to DCM 300 Controller	Wiegand

Product specifications and availability is subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of their companies.