

# Aperio Wireless Locks



## Features that make a difference:

- 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 AE (Airport Edition) v6.6 software & upwards
  - AC2000 SE (Standard Edition) v5.7 software & upwards
  - AC2000 Lite v5.7 software & upwards

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.

## 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.

## SPECIFICATIONS

### Physical

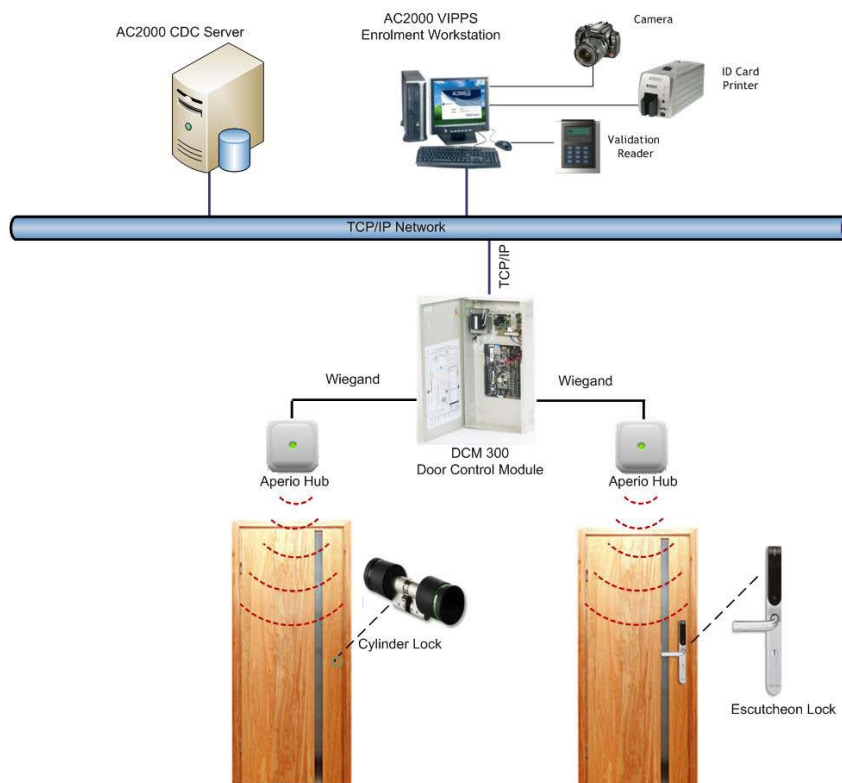
Size	
Cylinder knob . . . . .	42 x 36mm
Escutcheon . . . . .	312 x 4 1x 10/20mm
Aperio Hub . . . . .	82 x 82 x 13mm
Colour . . . . .	Black and Silver
Battery . . . . .	1 x Lithium CR2 battery
Environmental . . . . .	Indoor use
Temperature . . . . .	0°C to 60°C
Humidity . . . . .	< 85% non condensing

### 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. . . . .	5mtrs max, same side of the wall and Aperio Hub

### Communication Interface

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



How Aperio Wireless locks work with AC2000

## Related Products



AC2000 SE



AC2000 AE



AC2000 Lite

[www.cemsys.com](http://www.cemsys.com)