SOFTWARE HOUSE

From Tyco Security Products

C•CURE Solutions
ASSA ABLOY Aperio® Wireless Lock Technology Integration with C•CURE 9000

Features That Make a Difference:

- Real-time communication with iSTAR Ultra door controller and C•CURE 9000 security and event management system for greater security and control

- Up to 32 Aperio devices per iSTAR Ultra for optimal door density

- Convenient and easy to integrate with existing C•CURE 9000 installations

- Utilizes low-power IEEE 802.15.4 wireless communication between the Aperio lock and hub

- All access and scheduling decisions made through the powerful iSTAR Ultra controller

- Real-time reporting including card access transactions, door status, low battery and tamper alarm monitoring

- Wireless communication secured through 128-bit AES encryption

- Locks built on a robust Grade 1 mechanical platform for durability

- Supports HID® proximity, HID iCLASS, MIFARE, and DESFire card formats[1]

- Heavy-duty locks available in mortise, cylindrical and exit style trim

- Available in cabinet lock and server rack lock formats

The integration between the ASSA ABLOY Aperio wireless lock technology and C•CURE 9000 security and event management system gives you the flexibility to expand your access control system to almost every opening in your facility. Utilizing the powerful iSTAR Ultra door controller, Aperio wireless locks communicate with C•CURE 9000, providing a fully integrated and managed lock solution. The Aperio locks communicate directly with C•CURE 9000 through iSTAR Ultra and an Aperio wireless hub.

Each Aperio device communicates with a wireless hub, which can accommodate up to eight wireless locks. Online transactions mean that C•CURE 9000 is updated in real-time, guaranteeing a high level of control and visibility of door actions. All communication between the Aperio technology and Software House technologies is AES 128-bit encrypted for the most secure communication.

With no need for additional wiring, ASSA ABLOY Aperio locks can be installed or retrofitted at existing facilities with little or no operational disruption. The locks come in a variety of form factors that accomodate a wide range of interior environments including mortise, cylindrical, and exit devices for standard doors and an electronic cylinder that replaces a traditional mechanical keyed cylinder. Aperio technology is also available in a wireless cabinet lock format which can be used for cabinets, lockers, and drawers. This is ideal in healthcare facilities for storing equipment, drugs, patient files, and valuables. And, there's even a model for server racks which greatly improves the monitoring and security level of data centers.

For those projects that do not utilize iSTAR Ultra, a Wiegand Aperio hub provides a one-to-one hard-wired connection between hub and controller (reader, door lock, door position switch, request to exit, tamper and battery alarm).

ASSA ABLOY

The global leader in door opening solutions

(1) Card support varies across locks. Go to www.intelligentopenings.com/Aperio for more details.

C•CURE 9000 Software Requirements

C•CURE 9000. . . . . Version 2.30 or greater

ASSA ABLOY Aperio Support Requirements[2]

Software House
Controller support . . . . iSTAR Ultra
Max # of Aperio Devices
per iSTAR Ultra . . . . 32 (2 RS485 ports, 16 devices per port)
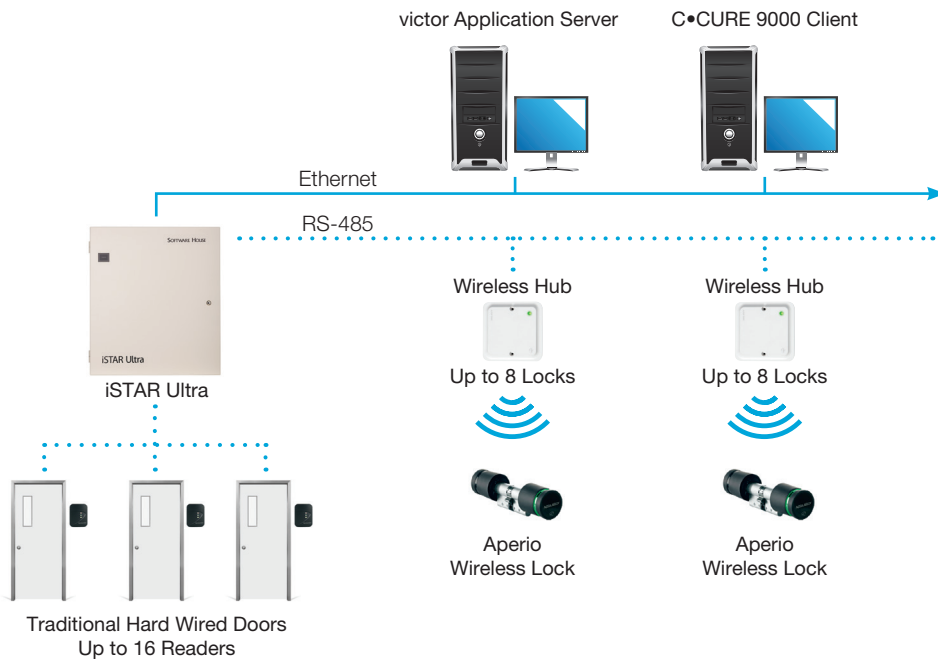Max # of Aperio Hubs
per RS485 Port 15

Aperio Wireless Hub

Dimensions (H x W x D). . . . . 82 x 82 x 37 mm (3.25 x 3.25 x 1.5 in)
Power Supply . . . . 8 – 24V DC
Power Draw . . . . 250 mA max, minimum 80mA at 12V DC
Wireless Operating Range . . . 25 m (depending on the building environment)
Wireless Transmit Power . . . . 10 dBm/MHz
Operating Temperature . . . . . 5°C to 35°C (41°F to 95°F)
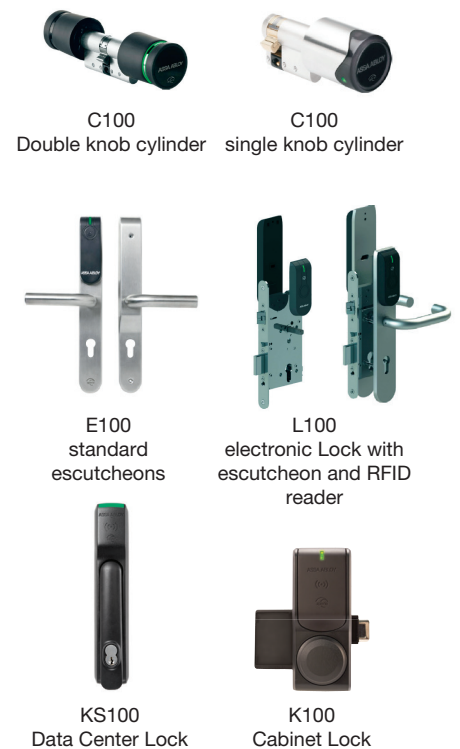Humidity . . . . <95% non-condensing

Aperio Features Supported[3]

• Online door status monitoring (select models)
• Keypad control (select models)
• Key override, deadbolt, cylinder monitoring (select models)
• Low battery, communications monitoring
• Standard clearances, custom clearances
• Clearance filtering

Wireless Lock System Layout

victor Application Server

C•CURE 9000 Client

Ethernet

RS-485

iSTAR Ultra

Wireless Hub
Up to 8 Locks

Wireless Hub
Up to 8 Locks

Aperio
Wireless Lock

Aperio
Wireless Lock

Traditional Hard Wired Doors
Up to 16 Readers

ASSA ABLOY Aperio Locks

C100
Double knob cylinder

C100
single knob cylinder

E100
standard
escutcheons

L100
electronic Lock with
escutcheon and RFID
reader

KS100
Data Center Lock

K100
Cabinet Lock

(2) For detailed specifications for each Aperio lock, go to www.intelligentopenings.com/Aperio.
(3) Features not supported at this time: double swipe, scheduled unlock, manual (host) unlock, and area control/anti-passback

Related Products

C•CURE 9000

iSTAR Ultra Controller

RM Readers

Approvals

RoHS
2002/95/EC

CE