OnGuard Lock Integration for the ASSA ABLOY Aperio Line of Devices

OnGuard® access control delivers a rich, seamless total security solution regardless of the scale or complexity of the application. Paired with ASSA ABLOY™ Aperio wireless locks, OnGuard users benefit from a flexible solution allowing easy, cost-effective expansion of the access control system, ensuring the appropriate degree of security throughout any facility.

Available in a variety of locking solutions from ASSA ABLOY Group brands, Aperio is a global wireless platform that allows you to increase security – quickly, easily, and affordably. It uses local wireless communication between an Aperio lock and hub to connect to an access control system, eliminating the greatest cost and inconvenience of traditional access control – the wiring at the door.

OnGuard 6.6 Service Pack 1 Integration Capabilities

Reader Modes
- Card / pin
- Card only
- Pin or card
- Facility code only
- Remote Lockdown (from Alarm Monitoring)

Status Monitor Options
- Request to Exit
- Door Position Switch
- Remote Lockdown (from Alarm Monitoring)*
- First Card Unlock
- Double Card Lock / Unlock Toggle
- Communication Status
- Low Battery Indicators

Available Mercury Panel Functions
- Local and Global Anti-Passback

Hardware Update
- 1:8 Mercury hub
  Lenel PN: AA-AP-AH30RN1 HUB

* Remote Lockdown puts device into locked mode - Access Denied: Remote Lockdown alarm is shown when a credential or pin is entered. Mechanical key is only way to open door without changing Access Mode again
## Available ASSA ABLOY Aperio Devices from Lenel

<table>
<thead>
<tr>
<th>Brand</th>
<th>Description</th>
<th>Features</th>
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</thead>
<tbody>
<tr>
<td>A100</td>
<td>Adams Rite A100 Keyless Entry Control</td>
<td>• Glass and aluminum entrance solution&lt;br&gt;• Available in reader only and keypad/reader versions&lt;br&gt;• Vandal-resistant lever with break-away (resettable) clutch&lt;br&gt;• Available in two decorative finishes; satin chrome and dark bronze&lt;br&gt;• Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® contactless credentials</td>
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<tr>
<td>K100</td>
<td>HES K100 Cabinet Locks</td>
<td>• High security Grade 1 asset protection with audit control&lt;br&gt;- Cabinet-lock latchbolt status monitoring&lt;br&gt;- 250 lb holding force, Grade 1 rating per ANSI A156.11-2003&lt;br&gt;- Online &amp; offline transaction audit trail capabilities&lt;br&gt;- Low maintenance with 50,000 cycles of operation with a single CR123A battery. Optional battery extension pack available.&lt;br&gt;- Low battery signaling and reporting&lt;br&gt;• Two forms of override available, including mechanical key override and battery jump start pack&lt;br&gt;• Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® contactless credentials</td>
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<tr>
<td>M100</td>
<td>Medeco M100 eCylinder</td>
<td>• Retrofit lock design that works with most Mortise &amp; Rim applications&lt;br&gt;• Aesthetically-pleasing design&lt;br&gt;• Integrated reader, monitoring and short range wireless radio simplifies installation and reduces material costs&lt;br&gt;• CR-2 battery provides an extremely long life with minimal impact to the environment&lt;br&gt;• Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® contactless credentials</td>
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<td>PR100</td>
<td>Sargent PR100 Locks</td>
<td>• Integrated reader, monitoring and short range wireless radio simplifies installation and reduces material costs&lt;br&gt;• Available in: 10 Line Bored Lock; 8200 Series Mortise Lock; 80 Series Exit Device, offering the flexibility to support a variety of openings&lt;br&gt;• Industry leading ANSI/BHMA Grade 1 hardware offers the highest degree of physical security available in access control locks&lt;br&gt;• Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® contactless credentials&lt;br&gt;• Available with keypad for two-factor authentication</td>
</tr>
<tr>
<td>IN100</td>
<td>Sargent IN100 Locks</td>
<td>• Integrated reader, monitoring and short range wireless radio simplifies installation and reduces material costs&lt;br&gt;• Real-time door status monitoring with REX, DPS, tamper, and low battery signals offers the ability to respond immediately to situations at opening&lt;br&gt;• SARGENT hardware, available in: 10 Line Bored Lock and 7900 Series Mortise Lock, offers the flexibility to support a variety of openings&lt;br&gt;• Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® contactless credentials</td>
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AS100 Securitron AS100 Wireless Door Position Sensor

Wireless door position sensor technology is an attractive way to add a DPS monitoring solution to aesthetically demanding entries. The AS100 mounts easily to a frame, without pulling wires, to wirelessly supply a door position signal to an Aperio hub. It integrates securely and easily into existing access control systems. The AS100 can be used on its own, paired with an M100 mortise cylinder or as an elegant complement to an R100 to provide wireless credential and DPS signal to glass entryways.

- Adheres to glass, and other aesthetically demanding door frame surfaces, without any connecting wires
- Provides aesthetic benefit to glass entryways and other difficult to wire locations
- Shortened wire pull from panel to hub provides cost benefit in installation
- Supplement to ASSA ABLOY door readers for combined wireless credential and DPS signal

KS100 HES KS100 Server Cabinet Lock

The KS100 wireless server cabinet lock with Aperio technology brings real-time access control in a single-card system to individual server cabinet doors. It uses local wireless communication between the lock and Aperio hub to connect to an access control system, greatly improving the monitoring and security level of each server cabinet. This convenient system uses existing ID badges so there are no keys to control or replace and no codes to secure or remember.

- High security Grade 1 asset protection with audit control
  - Server cabinet door and lock status monitoring
  - 250 lb holding force, Grade 1 rating per ANSI A156.11-2003
  - Online & offline transaction audit trail capabilities
- Hardwired power, POE 48VDC or standard 24VDC options
  - Low energy use
- SFIC High security key override allows secure manual unlock capability
- Easy to install
  - Designed for standard 25mm x 100mm server lock opening
  - For use on left hand or right hand doors
- 500,000 cycles of operation
- Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® contactless credentials

R100 Securitron R100 Reader

The Securitron R100 reader with Aperio technology brings wireless access control to full glass doors. Sold with an electrified locking device, the R100 reader is an easy-to-install solution for glass doors. It uses local wireless communication between the reader and an Aperio hub to connect to the access control system.

- Attaches to glass, granite, concrete and other surfaces using a non-damaging adhesive
- Weather sealed for outdoor use
- Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® contactless credentials
- Low maintenance with 40,000 cycles of operation with a single lithium battery
- Available with a black or white finish to match any decor
Aperio Line of Products

Hub
- Lenel PN: AA-AP-AH30RN1
- RS-485 communication device
- Downstream connection to LNL-3300, LNL-2220 or LNL-2210
- Capable of handling up to 8 locks per hub
- Power from controller for up to 15 hubs per RS-485 line

Available in
- Glass door readers
- Server cabinet locks
- Cabinet locks
- eCylinders
- Door position sensor
- Keyless entry control
- Wireless lock with keypad
- Wireless lock with keypad and deadbolt

Aperio Features
- Utilizes IEEE 802.15.4 wireless communication between the lock and an Aperio hub that is connected to the electronic access control system
- Real-time communication with the access control system for greater security and control
- Real-time door status monitoring
- Advanced data security with standard encryption techniques
- AES 128-bit encryption
- Global wireless platform that addresses a wide range of security requirements
- ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® (full authentication, all formats) credentials

lenel.com
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