



# OnGuard® Physical Access Control Solutions for FICAM

Advanced access control hardware and software designed to meet the latest Federal Identity, Credential and Access Management (FICAM) requirements.







## About HSPD-12 and FIPS 201

Homeland Security Presidential Directive 12 (HSPD-12), issued by President George W. Bush on August 27, 2004, mandated the establishment of a standard for the identification of Federal Government employees and contractors.

HSPD-12 requires the use of a common identification credential for both logical and physical access to federally controlled facilities and information systems. The Department of Commerce and NIST were tasked with producing a standard for secure and reliable forms of identification. In response, NIST published Federal Information Processing Standard Publication 201 (FIPS 201), Personal Identity Verification (PIV) of Federal Employees and Contractors, issued on February 25, 2005, and a number of special publications that provide more details on the implementation of the standard.

Both Federal agencies and enterprises have implemented FIPS 201-compliant ID programs and have issued PIV cards. The FIPS 201 PIV card is a smart card with both contact and contactless interfaces that is now being issued for all Federal employees and contractors.



Through OnGuard®, LenelS2 continues its ongoing commitment to finding new and better ways to facilitate data optimization and enhance security and business operations. Incorporating responsive technology, the OnGuard system delivers an array of functionality, while also accommodating future enhancements.

# A total solution for the Federal Government

LenelS2 is a provider of advanced software and integrated systems. Headquartered in the United States, LenelS2 utilizes the latest software industry practices and standards in the development of its products. With a commitment to innovation, LenelS2 continues to develop solutions that bring together leading-edge technology and the flexibility of open systems architecture to the security management industry.

## LenelS2 OnGuard®

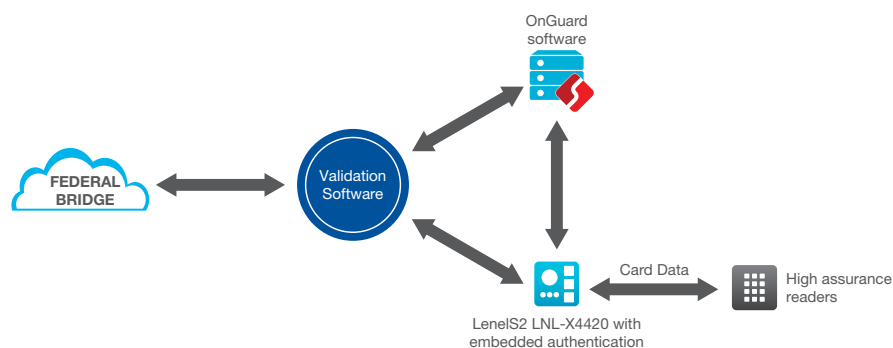
The OnGuard access control platform is constantly evolving to meet the changing mandates and guidelines defined by the National Institute of Standards and Technology (NIST) FIPS 201 as mandated by the Office of Management and Budget (OMB).

## OnGuard solution components

The OnGuard FICAM security management solution includes:

- OnGuard software
- LenelS2 access and door controllers
- FICAM validation software
- High assurance readers

## The onboard authentication process



## Architecture options

- Onboard authentication, ideal for new installations
- Add-on authentication module, perfect for retrofits and architectures where onboard authentication is not available

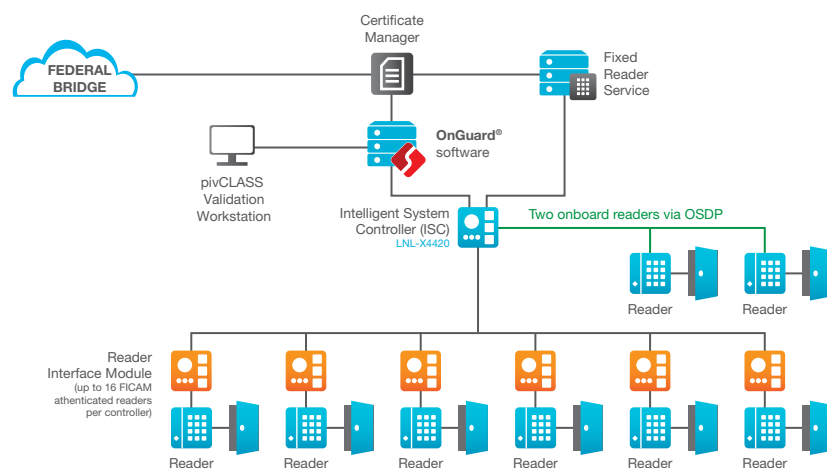


# Option 1: Onboard authentication using LNL-X4420 controller

## APL # 10112

This solution leverages the HID pivCLASS® solution by using pivCLASS Embedded Authentication directly in the LenelS2 Intelligent System Controller to perform the Public Key Infrastructure (PKI) validation at time of access through the reader. With this solution, no separate pivCLASS Authentication Module (PAM) is required, simplifying installation, reducing the hardware footprint, and lowering overall costs.

With the embedded authentication solution, a total of sixteen FICAM authenticated readers are supported (two readers onboard the LNL-X4420, as well as expanding with LenelS2 Series 3 downstream Reader Interface Modules).



Part #	Description
BASE Software	
OnGuard 7.3 and up	OnGuard version 7.3 and up (supports ES, ADV, PRO, ENT configurations)
PVC-CM	pivCLASS Certificate Manager
PVC-FXRDR	pivCLASS Reader Services
SWG-1140	DataConduIT
SWG-1550	FIPS 201 Credential Management Integration
Enrollment Client	
PVCP-D/S-1400	pivCLASS Validation Workstation
R31210349-1	OMNIKEY® Full-Size Contact Smart Card Reader
SMA-MSO1300-V3	Morpho Smart Mini Optic Fingerprint Sensor
LNL Controllers	
LNL-X4420	Intelligent Dual Reader Controller
LNL-1320-S3	Series 3 Reader Interface Module (Dual Reader)
LNL-1300-S3	Series 3 Reader Interface Module (Single Reader)
LNL-1300e	IP-Based Single Door Interface
High Assurance Reader Licenses	
EA-LICENSE2	HID Reader Embedded Authentication License (supports 2 readers)
SWG-AUTH-002	OnGuard Reader Embedded Authentication License (supports 2 readers)

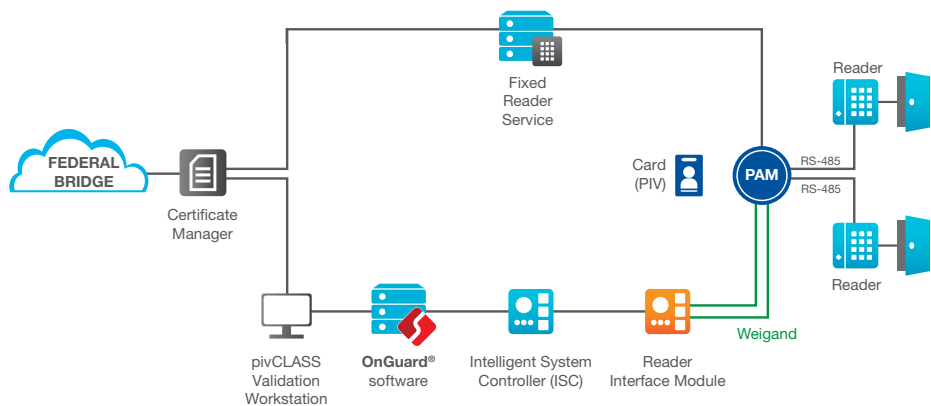
## Readers

- Supports HID pivCLASS half-duplex OSDP™ readers
- Supports Veridt Stealth OSDP readers

# Option 2: Authentication using HID PAM and any LenelS2 Intelligent System Controller

## APL # 10112

The LenelS2 PAM-based solution utilizes OnGuard® version 7.3 and greater with the HID pivCLASS® validation solution for enrollment, managed certificates and validating credentials at the door. This solution relies on use of the pivCLASS Authentication Module (PAM) to perform the PKI validation at time of access through the reader. Through the use of the PAM device, this solution can be added to existing OnGuard installations frequently without the need to replace any controller hardware.



Part #	Products
Software	
OnGuard v.7.3 and up	OnGuard version 7.3 and up (supports ES, ADV, PRO, ENT configurations)
SWG-1140	OnGuard DataConduit
PVCP-D/S-1400	pivCLASS Validation Workstation
PVC-CM	pivCLASS Certificate Manager
PVC-FXRDR	pivCLASS Reader Services
R31210349-1	HID OMNIKEY® 3121 Enrollment Reader
SMA-MSO1300-V3	Morpho Fingerprint Reader for Enrollment
Hardware	
LNL-X3300	Intelligent System Controller
LNL-X2220	Intelligent Dual Reader
LNL-X2210	Intelligent Single Door Controller
LNL-1320-S3	Dual Reader Interface Module
LNL-1300-S3	Single Reader Interface Module
PAM	
91000ABNNN	pivCLASS Authentication Module (PAM)

### Readers

- Supports HID pivCLASS full-duplex OSDP readers

# Always working to meet your needs.

No matter if you have an existing LenelS2 OnGuard® solution, or are using our system for the first time, LenelS2 has a FICAM solution that will fit your requirements. LenelS2 offers solutions that comply with HSPD-12, FIPS 201, ICD705, UL1076, and FIPS 140-2. Our Federal Government Solutions team is here to assist you with any design support you may need.

LenelS2 is a global leader in advanced physical security solutions, including access control, video surveillance and mobile credentialing. Our technology includes web-based and mobile applications enhanced by cloud-based services. Incorporating open architecture, LenelS2 provides scalable, unified security management solutions to customers ranging from global enterprises to small- and mid-size businesses. Easy to install and use, LenelS2 products are supported by an experienced, responsive team dedicated to providing exceptional service. LenelS2 serves segments worldwide including corporate, education, healthcare and government. LenelS2 is a part of Carrier Global Corporation, a leading global provider of innovative HVAC, refrigeration, fire, security and building automation technologies.

**For more information, please contact  
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