

Quoting OnGuard

Lenel Systems International

Last updated 21-May-2013



- **Brief Intro to OnGuard Software**
- **OnGuard Configured Kits**
- **A-La-Carte Software**
- **Introduction to Hardware**
- **Where to go for Support**

OnGuard Security Platform



+ Award-winning security platform

- Offers customers a flexible Total Solution with an unparalleled feature set
- Non-proprietary, open systems architecture provides customers with hardware and system independence

+ Seamless Integration

- Portfolio of application software shares the same:
 - Source code base
 - User interface
 - Database
- Single application suite for monitoring, event linkage, reporting, administration, configuration programming

+ Scalable Platform

- OnGuard available in all sizes with a built-in migration path
- Start small and grow along with business needs
- No need to abandon investment

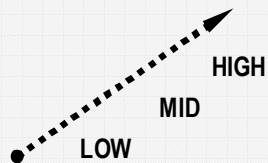


32ES

ADV

PRO

One Platform Serve all segments



Small to mid-size business

- Single server
- Up to **5** concurrent clients
- Up to **64** readers
- Unlimited cameras

Mid to large scale enterprise

- Single-Server or Redundant
- Up to **10** concurrent clients
 - Up to **256** readers
 - Unlimited cameras

Large scale distributed enterprise

- Single Server or Redundant
 - Unlimited Readers
 - Unlimited Clients
 - Unlimited Cameras

OnGuard Features and Options – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduit™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Alarm Monitoring

The OnGuard Alarm Monitoring application displays information about individual alarms and events as they occur. Operators can acknowledge alarms and manually change the status of devices as well as monitor video and launch Guard Tours.

With the correct permissions, Operators can also perform a variety of administrative tasks such as adding, modifying, deleting and tracking cardholders, visitors and assets as well as print badges.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Chromakey / Ghosting

The OnGuard Chromakey / Ghosting feature is supported. Chromakey is the process of removing a solid background from a captured image. Chromakeyed photos are very difficult to reproduce or falsify. The SYSTEM shall have the ability to remove the color that resides in the top left corner of the crop window or remove the color of the System Operator's choice. A tolerance setting shall be available for fine tuning images of cardholders whose shirt, hair, etc. is close to the color of the background.

OnGuard also supports a ghosting feature whereby the system makes the cardholder's photo semi-transparent to create a ghosting effect. Ghosted images are very difficult to reproduce and falsify. OnGuard supports 256 levels of ghosting from 0 (no ghosting) to 255 (invisible).

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

First Year SUSP

Standard Benefits

- NEW - Advanced TSG call routing capabilities leads to accelerated call/issue resolution
- Unlimited access to new OnGuard releases and feature updates during the duration of the Support Plan
- Support plan serves as an “insurance policy” for times in need
- General questions about software operation and functionality quickly answered
- Setup and configuration assistance
- Troubleshooting, defect verification and Hot Fix support
- Assistance with integrated third-party software to maximize the capabilities of OnGuard software
- E-mail support and proactive notification of pending Support Plan expirations
- Remote Connection assistance available for expedited issue resolution

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Intelligent Audio (forensic)

The OnGuard Intelligent Audio feature allows a user to perform analysis on audio associated with recorded video. OnGuard is able to search video for impact sounds. The search shall produce a still frame thumbnail video at the time of the start of the detected audio event.

The audio analysis shall be able to be performed on video files, video on a recorder as well as video on an archive server.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Map Designer

The OnGuard Map Designer application offers a straightforward way to create maps that are used in Alarm Monitoring. Each map you create contains *icons*, small graphical symbols, representing access control system hardware components and areas. During alarm monitoring, one or more hardware icons may appear animated on a map to indicate the presence of alarms at those physical locations.

Using MapDesigner, you can add text information to maps, change the appearance of the map icons and labels, and resize and print maps. You can also link maps together by creating maps that include icons for other maps.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

System Administration

The OnGuard System Administration application allows OnGuard users to perform tasks such as defining client workstation and System Operator permissions set-up, access groups, timezones, reports, maps, etc. shall be provided from any client workstation on the network. Initial setup of the cardholder screen layout shall occur on the database server. OnGuard also supports the use of strong passwords.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Web Video Viewer

VideoViewer is a lite client application that can run from an Internet browser on any computer with or without OnGuard installed. The primary purpose of the VideoViewer browser-based client is live and recorded video monitoring. Not all of the features available in the standard VideoViewer application are available in the browser-based client. Currently, the VideoViewer Browser-based Client does not support video search, saving layouts, loading files, and PTZ presets and tours.

The VideoViewer browser-based client can perform the following functions:

- Display live and recorded video
- Digital zoom
- PTZ camera control
- Click to center
- Ability to access video from multiple recorders
- Export video
- Load pre-configured video matrix layouts

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

CCTV Interface

The OnGuard CCTV Interface allows an OnGuard system to send CCTV string commands to a matrix switch.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Email Interface

The OnGuard e-mail interface is seamlessly integrated within the Alarm Monitoring application. System Operators shall have the ability to send ASCII text e-mail messages from the Alarm Monitoring application on demand regarding any alarm currently displayed in the Main Alarm Monitoring window. System Administrators can also configure the system so that specific alarms automatically send ASCII text e-mail messages regarding the alarm. E-mails have the ability to be sent to multiple e-mail accounts if desired.

OnGuard integrates with Microsoft Exchange Server. E-mail addresses have the ability to be pre-programmed so that sending e-mail is accomplished in a minimum number of mouse clicks.

The OnGuard Email Interface can also be used to automatically email reports to specific individuals or groups and emails notify a host that their visitor has arrived if using the OnGuard Visitor Front Desk application.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Event Logging

The OnGuard Event Logging feature provides that all alarms and events in OnGuard by default are logged to the database that can be used for reporting and backup capabilities.

OnGuard gives System Administrators the ability to select on a timezone basis, the times that they require specific events to be logged to the database. For example, in non-secure areas, System Administrators may not want to log access grants for a particular card reader in the database during normal working hours, but want to know who accessed the area after hours. Alarm/Events shall be set to log or not log particular alarms/events on an individual card reader by card reader and input by input basis.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Anti Passback

The OnGuard Anti Passback feature provides for eight (8) area control features:

- Global Hard Anti-passback
- Global Soft Anti-passback
- Timed Anti-passback
- Two Person Control
- Designated One Person Control
- Designated Two Person Control
- Tail Gate Control
- Occupancy Limit.

Area control is a security method of preventing a person from passing their badge to another person for dual entry into a single location utilizing one card.

OnGuard Standard Features – All Versions

FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour

Guard Tour

The OnGuard Guard Tour feature allows one or more checkpoints defined as card readers or alarm inputs that a guard can check during a guard tour.

Each tour can be assigned a name of up to 128 characters and subsequently assigned to one or more Alarm Monitoring workstations that indicate from where automatic tours are to be launched.

Each tour shall consist of a series of checkpoints that shall include card readers and/or alarm inputs. Tour checkpoints shall be ordered in the sequence within which they are to be visited. Tour checkpoints shall be assigned minimum and maximum times within which to be reached. A “Tour Beginning” Checkpoint shall also be defined to be linked with output actions. Checkpoints shall be able to be placed onto a graphical map.

A tour shall additionally be linked to live video. Instruction text shall be assigned to a tour. These instructions shall be viewed and printed prior to launching the tour from an Alarm Monitoring workstation.

OnGuard Features and Options – All Versions

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduit™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

OnGuard Area Access Manager

The OnGuard Area Access Manager module has been designed for the business manager who needs to make decisions about employee access to secure areas of his responsibility such as research labs, server rooms, etc.

This application allows any manager to make basic yet important changes to the access control system's functionality without requiring extensive knowledge of how the system is configured.

Specifically, OnGuard Area Access Manager allows any manager who has previously been given privileges to the OnGuard system to grant personnel access to areas or remove access from areas. OnGuard Area Access

Manager supports any industry standard network protocol and topologies including Ethernet TCP/IP. OnGuard Area Access Manager runs as part of your OnGuard Access Control application on your server and is available on all Windows XP/2003/2008/Vista and Windows 7 based systems.

OnGuard Area Access Manager can be deployed on a full client workstation or deployed as a web enabled application, allowing access to the program from a standard web browser.

OnGuard Features and Options – All Versions

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduIT™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

OnGuard DataConduIT API

OnGuard DataConduIT is an advanced Application Programming Interface, built on Windows Management Instrumentation (WMI), that allows real-time, bidirectional, seamless integration between OnGuard and IT applications. OnGuard DataConduIT enables OnGuard cardholder accounts to be linked to Windows Login Accounts. It also enables OnGuard applications to be deployed (full-scale or scaled-down versions) on alternative computing platforms. It allows information sharing and integration points with third-party information system products such as Tivoli, HP OpenView and IBM.

DataConduIT Queue allows users of DataConduIT to queue event data if communications are lost. Upon reconnection, all queued events are brought into/out of the system, rather than being lost. DataConduIT Queue is recommended for implementations where data loss is not acceptable. Additional supported queues include Microsoft Message Queue.

OnGuard Features and Options – All Versions

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduit™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

OnGuard ID Credential Center

OnGuard ID CredentialCenter offers the most expansive set of capabilities available to manage the employee security information life cycle, from data entry to access revocation. Cardholder information is managed centrally, providing ease of enrollment, information management, directory integration, badge design, printing and encoding, and cardholder credential activity reports. OnGuard makes every aspect of working with employees and their credentials easy to use, easy to investigate and easy to report. Refer also to the OnGuard Biometrics & Smart Cards product sheet for information about OnGuard's smart card capabilities, and to the OnGuard Visitor product sheet for visitor management capabilities.

OnGuard Features and Options – All Versions

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduit™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

OnGuard Video Manager

The OnGuard VideoManager is the most flexible and dynamic video system available today. With enormous 3,000+ channel installations operating around the world, OnGuard VideoManager offers customers the scalability to take small and simple video needs to large and sophisticated enterprise video. OnGuard VideoManager is seamlessly integrated with OnGuard, offering customers the many benefits of applications inside the OnGuard portfolio, including OnGuard Access and OnGuard Fire & Intrusion. By integrating with OnGuard, customers can realize a true, event-driven system architecture whereby actionable security is enabled by linking real, live security-related events. Event video can be monitored in several ways. For those organizations with sophisticated monitoring needs, OnGuard IntelligentVideo offers an array of algorithms and packaged solutions for everyday security challenges such as loitering, objects entering an area or object leaving an area. For those customers who want to use OnGuard IntelligentVideo in forensic investigative mode, there is no additional charge. All angles are covered with OnGuard VideoManager.

SWG-DV

SWC-DV[-n]

SW-LNR-CH1

OnGuard Features and Options – All Versions

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduit™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

OnGuard Visitor

The OnGuard Visitor Management is designed for all sizes of organizations and allows them to manage and track visitors within their organization. OnGuard Visitor Management allows employees to login to the visitor management system from any desktop. Once connected, users can add visitors, capture photos, schedule visits, assign visitors to employees in the cardholder database, and send e-mail notifications to all parties that require information on the scheduled visit. Users can also login to view and/or modify upcoming visits. The Kiosk allows the visitor to auto sign in and sign-out their visit. OnGuard Visitor Management option is available on all OnGuard solutions.

IDVM-[ES | ADV | Pro/Ent]-FD

IDVM-HOST

Host Registration module for ES, ADV, PRO and ENT systems. The Host module must be purchased with either the Front Desk or Kiosk. **Only one is needed per OnGuard server.**

OnGuard Features and Options – All Versions

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduit™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

OnGuard Data Exchange

The OnGuard DataExchange is an advanced data import/export application.

DataExchange can be utilized in several ways. At initial population of the cardholder database, DataExchange facilitates database-to-database (ODBC) or flat-file data import from a human resources database (such as Oracle, PeopleSoft, or SAP) or a displaced legacy system.

DataExchange can be configured to handle continual updates to/from these systems, reducing input time and allowing OnGuard to adhere to predefined corporate business rules. Export scripts can also be configured to communicate from OnGuard to other third-party systems, such as time & attendance and meal systems.

OnGuard Features and Options – All Versions

APPLICATIONS (Options)

- Area Access Manager™ (web)
- DataConduit™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

OnGuard Forms Designer

OnGuard FormsDesigner allows you to customize the cardholder, asset, reader, visit, and/or visitor forms as desired by modifying any standard field. FormsDesigner also allows you to add custom fields in addition to any standard fields on pages. Both the labels and the properties can be changed for user defined fields. A minimum of sixteen pages are supported to design cardholder screens with standard and custom fields.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

SWG-1400 – Hand Geo

SWG-1402 – Bioscrypt

SWG-1415 -- Suprema

SWG-LG – LG Iris

Biometrics

OnGuard support for biometrics solutions is extensive. Biometric verification is available as a seamlessly integrated solution. Through the measurement and comparison of human characteristics such as fingerprints, hand geometry, or Iris imaging, OnGuard has the capability to verify the identity of enrolled individuals. OnGuard does NOT require the use of the photo capturing license in order to capture biometrics, the license required is separate (see OAAP integration).

OnGuard also provides the ability to view, capture, and delete biometric templates. The System Administrator is able to provide permission to view, capture, and delete biometric templates to System Operators. The permission to view, capture, and delete inputted biometric templates shall not be all inclusive. For example, some System Operators may only have the ability to capture biometric templates, while others may have the ability capture biometric templates and delete biometric templates. The System Administrator has the ability to assign the System Operator access to any or all of the aforementioned biometric template abilities.

Biometric verification is available on a timezone basis per reader. For example, card readers on computer labs might always use card and biometrics, while card readers at other areas could use card only during the day and card and biometrics after regular business hours.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Smart Cards - ActivIdentity

OnGuard provides the ability to manage the life cycle of a smart card through integration with ActivIdentity. The integration provides the ability to personalize contact smart cards during the badge issuance process in the SYSTEM, propagate badgelifecycle events including, but not limited to, badge encoding, activation, deactivation, and deletion. This integration provides solutions to allow use of a single card for both physical and logical access control. The integration shall provide the ability to ensure consistent card state between physical and logical access control system. The integration provides the ability to use a single interface for issuance of the physical/logical access card.

SWG-1500

Card Management Server Option (Required for ActivIdentity Server integration) – Select the number of Certificates that will be linked between OnGuard and ActivIdentity

ISG-CMSnnn

Integration for encoding nnn ActivIdentity Certificates

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Fire Integration

The OnGuard fire alarm interface supports the following fire panels:

1. Pyrotronics MXL fire panel
2. Pyrotronics MXL-IQ fire panel
3. Notifier AM2020 fire panel
4. Notifier NFS-640 fire panel
5. Notifier ID3000
6. Notifier NFS2-3030
7. Any fire panel that supports the European Standard ESPA 4.4.4 protocol

The fire alarm panels shall be configured in the SYSTEM configuration and administration module. For each fire panel, an alphanumeric name of up to 32 characters shall be given for Alarm Monitoring and reporting purposes. System Administrators shall be able to configure a serial port and client workstation that the panel is connected to, as well as communications speed.

The fire alarm interface shall allow for secondary annunciation of fire alarm alarms in the Main Alarm Monitoring window. Fire alarms reporting into the Main Alarm Monitoring window shall report just like any other access control alarm and shall have the same annunciation and display properties as access control alarms.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Central Station Integration

OnGuard supports a seamlessly integrated central station alarm receiver interface. Central station alarm receivers shall be configured in the SYSTEM configuration and administration module. For each receiver, an alphanumeric name of up to 32 characters shall be given for alarm monitoring and reporting purposes. System Administrators shall be able to configure a serial port and client workstation to which the receiver is connected, as well as communication speed.

The SYSTEM shall support the following central station receivers:

1. Bosch 6500/6600
2. Osborne Hoffman OH-2000
3. AES Intellinet (receivers that support the Bosch 6500 Output Mode)

SWG-1410

Central Station Receiver Interface – communication software for central station receivers, must be order one SWG-1410 for each receiver. (Currently supported receivers are Radionics 6500, 6600, Osborne Hoffman 2000, 2000E and AES 7000 series)

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Intrusion Integration

OnGuard's Intrusion Detection Management System provides advanced, seamless integration with Intrusion Detection Panels from Bosch® (D7412G, D9412G, D7412GV2, D9412GV2, and D9412GV3), Detection Systems (7400xi and 7400xi 4+), Honeywell (Galaxy 8, 18, 60, 128, 500, 504, 512, Galaxy Dimension GD48, and Galaxy Dimension GD520), Lenel NGP, and Guardall (PX, QX, and RX), allowing customers to monitor intrusion detection alarms inside OnGuard's Alarm Monitoring application, in addition to giving the user command and control of supported intrusion detection devices (such as arming and disarming an area). Once alarms are brought into OnGuard, they can be linked to digital video, global I/O activity can be triggered, and they are stored in OnGuard's audit trail. In addition, System Operators can monitor the status of intrusion detection devices from any Alarm Monitoring workstation.

An Intrusion Detection client workstation can be configured to perform intrusion detection system configuration and administration functions. The following major administration tasks shall be included: configuring receiver accounts, configuring receiver areas, and configuring receiver zones.

SWG-1450

Intrusion Panel Support Option (per panel) Radionics 9412, 7412, Guardall RxQxPx, Detection Systems 7400Xi version 3 and 4 panels and Galaxy Intrusion Alarm Panel Support for models (8, 16, 60, 128, 500, 504). Also required for Guardall and OAAP intrusion panel add-ins

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Barco Video Wall Integration

OnGuard supports a Streaming Video Server (SVS) that is installed when installing the OnGuard video software. The SVS is able to retrieve live video from any manufacturer's Video Recorder that supports the video search feature and then project the video onto a Barco Video wall.

OnGuard is able to change the Barco Wall layout to any layout that has been configured on the Barco Wall Controller. This is done manually through OnGuard, based on a system event or based on the scheduler.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Business Card / Driver License / Military ID / Passport Scanning

Update this slide

CSS-SNAPSHELL

IdData library (Scanner and Library) Scanner Kit – one SnapShell, USB, with a 12 month warranty. (New Visitor Management Only, **Driver license scanning is currently not supported, only support business card scanning**)

SWG-1476

OnGuard Software Option for the CSS line of scanners [This will work for the the CSS-800; CSS-1000-A and CSS-SNAPSHELL] One license is required per scanner.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Elevator Integration

OnGuard is able to interface with Otis' Compass Destination Entry System version 1.0 and 2.0. This interface shall provide secure, optimized access to banks of elevators. OnGuard will verify the cardholders access privileges upon their arrival to an access point and their presentation of their credential. Upon this verification, OnGuard will communicate with the dispatching system to identify the floor(s) that the cardholder is permitted, as well as determining the default floor for the cardholder. OnGuard will then direct the cardholder to a designated elevator car for secure access to their default or selected floor. OnGuard also allows for a custom person type descriptor to be passed to the destination dispatching system, this is in addition to the access permissions, default floor, and the disability flags.

SWG-1610

Seamless Elevator Entry Devices – Integration to the Otis Compass elevator destination system, with Timezone control interface to update elevator control status. Timezone control interface requires one DataConduit connection SWG-1140)

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Intercom

OnGuard's native intercom interface supports the following intercoms:
1. Stentofon AlphaCom, 2. Stentofon AlphaNet, 3. Ericsson MD110 PBX

The intercom panels are configured in the system configuration and administration module. For each intercom panel, an alphanumeric name of up to 32 characters shall be given for Alarm Monitoring and reporting purposes. System Administrators are able to configure a serial port and client workstation that the panel is connected to, as well as communications speed.

System Administrators are able to program into OnGuard a list of intercom functions that report into the Alarm Monitoring application. The intercom interface allows for secondary annunciation of intercom calls, events, and alarms in the Main Alarm Monitoring window. Intercom reporting into the Main Alarm Monitoring window reports like any other access control alarm and has the same annunciation and display properties as access control alarms. All intercom, calls, events, and alarms that report into the SYSTEM are stored in the SYSTEM database for future audit trail and reporting.

Additional intercom support can be found at the Lenel OAAP member page.

SWG-1340

Intercom Communication Interface for OnGuard, supports - Zenitel Alphacom and Alphanet systems, Vandal-Proof Products Presidium Interface supervised communications, Avaya PBX and Ericsson MD-110 phone systems. (interface purchase per intercom system)

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

IVSP-nn – IV Algorithm

DVC-IVS-A – IV Server

Intelligent Video

Lenel IntelligentVideo is a digital video analysis system with the ability to recognize, analyze and classify information in both live and recorded video. Lenel IntelligentVideo is events based; you configure predefined events to suit your environment, and the system generates alarms whenever those events occur.

IntelligentVideo events are configured in OnGuard System Administration. The IntelligentVideo Server, like all other downstream devices, receives this configuration information and begins to process video from the Lenel Network and/or Lenel Digital Video Recorders. Events generated by the IntelligentVideo Server are then transmitted to the Lenel Security Server for storage in the Lenel Security Database, as well as to the Lenel Alarm Monitoring clients in real time.

For no additional license charge, IntelligentVideo can also be used for forensic style searching of recorded video. Recorded video is processed on the Lenel Alarm Monitoring or Lenel VideoViewer client using the defined events. For each event detected, a thumbnail image is created. This enables you to browse through the events easily.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- **Mustering**
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Mustering

OnGuard supports advanced Mustering functionality. The Mustering function provides an automatic capability for registering cardholders that are on site during an incident. Designated exit and entry card readers shall be used to enter and leave hazardous locations and safe locations. When an incident occurs, a Muster Report can be generated that consists of a listing of all personnel that are within the hazardous locations as well as all personnel that have registered in a safe location.

A Muster Mode can be used to automate some functionality. A Muster Mode means that an incident has occurred and an evacuation is required of one or more Hazardous Locations. A Hazardous Location can enter into Muster Mode either automatically via an occurrence of a given hardware event transaction (such as an Alarm Input going active) or manually via a System Operator placing the Hazardous Location into Muster Mode.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

OPC Server / Client

OPC Server Support

OnGuard supports an OPC Server designed to OPC standards for Building Automation/Process Control Systems. OnGuard's OPC Server allows any and all SYSTEM alarms and events to be routed in real time to any industry-standard OPC Client (such as a building automation or process controls monitoring workstation) for centralized reporting of alarm activity.

OPC Client Support

The SYSTEM Alarm Monitoring workstation shall be able to function as an OPC Client designed to OPC standards for Building Automation/Process Control Systems. The SYSTEM OPC Client shall be able to accept any and all Building Automation/Process Control Systems alarms and events sent via OPC Standards for Alarm and Events that are routed in real time from any industry-standard OPC Server (such as a building automation or process controls monitoring workstation) for centralized reporting of alarm activity.

OPC Data Access Server Allows external OPC client access to OnGuard data sources. One license is required for each 3rd party OPC client connection to OnGuard

SWG-1460-1

OPC Alarms and Events Server Allows external OPC clients to view OnGuard Alarms and Events. One license is required for each 3rd party OPC client connection to OnGuard.

SWG-1460-2

OPC Client Option Allows all OnGuard Alarm Monitoring workstations to accept alarms and events from external OPC servers that comply with the industry OPC standard for alarms and events. This option allows for unlimited 3rd party OPC server connections to OnGuard. This option does not require DataConduit.

SWG-1465

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- **Paging**
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Automatic Alarm Export – (formerly Paging)

OnGuard supports a paging interface seamlessly integrated within the Alarm Monitoring application. System Operators shall have the ability to send numeric or alphanumeric paging messages from the Alarm Monitoring application on demand regarding any alarm currently displayed in the Main Alarm Monitoring window.

System Administrators can also configure OnGuard so that specific alarms automatically send numeric or alphanumeric paging messages regarding the alarm. Pages shall have the ability to be sent to multiple pagers if desired.

Pager numbers shall have the ability to be pre-programmed so that sending a page shall be accomplished in a minimum number of mouse clicks. The SYSTEM shall allow any pager to be accessed through a paging terminal that communicates through the TAP (Telocator Alphanumeric Paging) protocol.

SWG-1250

Automatic Alarm Export, provides an output text file for configured alarms. The text file can be pulled into a third party application to report on alarm conditions (previously offered as Automatic Paging Interface)

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Video Verification

From the Alarm Monitoring window, OnGuard interfaces to the CCTV system and a live CCTV image can be presented to a System Operator selecting any card read alarm (for example: access denied: wrong timezone, wrong access level, badge voided, stolen, etc.). CCTV/Image Comparison shall be available from the Live Video Verification Window.

This function can automatically activate a camera located near the card reader and will display both the live video at the card reader and the stored cardholder image on the alarm screen for System Operator comparison of the images. This allows immediate System Operator comparison of the live video of the cardholder at the card reader and the stored image on record of the cardholder.

This feature is user configurable to automatically show the video verification screen upon cardholder activity at the specified card readers. OnGuard also gives System Operators the ability to choose which card readers will utilize this feature, whether the feature will activate on access grants and/or access denies, and whether to show the cardholder's stored database image and/or CCTV live video at the card reader. System Operators are able to switch between records (images and live video) should multiple records enter simultaneously or should another alarm that requires Video Verification enter the SYSTEM while Video Verification is active.

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

Terminal Services

OnGuard supports an advanced thin client architecture. This architecture shall provide the OnGuard user with complete access to configure and operate their software through a simple Web browser interface. The need for installed desktop client software is not be required. OnGuard thin client architecture allows for the installation of Web server software and, once the Web server is configured, allows an unlimited number of client workstations (based on purchased licensing connections) to attach to the server and run any of the OnGuard applications. Virtually any desktop operating system that supports a Web browser is able to utilize the thin client architecture. This shall include Windows 7, Windows 2008, Windows 2003, Windows XP, Macintosh, UNIX, Solaris, and Linux. Thin client architecture is also supported in mobile computing environments, such as Windows CE. The interface shall display a minimum color depth of 8 bits (256 colors).

See the OnGuard A&E Specification for more information on thin client options and deployment.

SWG-1360

OnGuard support for Remote Desktop Protocol; Citrix MetaFrame [see compatibility chart] and Terminal Services for 32ES; ADV and PRO Level solutions **[DOES NOT INCLUDE CITRIX]**

SWG-1370

OnGuard support for Remote Desktop Protocol; Citrix MetaFrame [see compatibility chart] and Terminal Services for any Enterprise level solution **[DOES NOT INCLUDE CITRIX]**

OnGuard Features and Options – All Versions

SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration (Otis)
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation (ADV/PRO)

****Only Available On
ADV, PRO or
Enterprise Systems**

SWG-1240

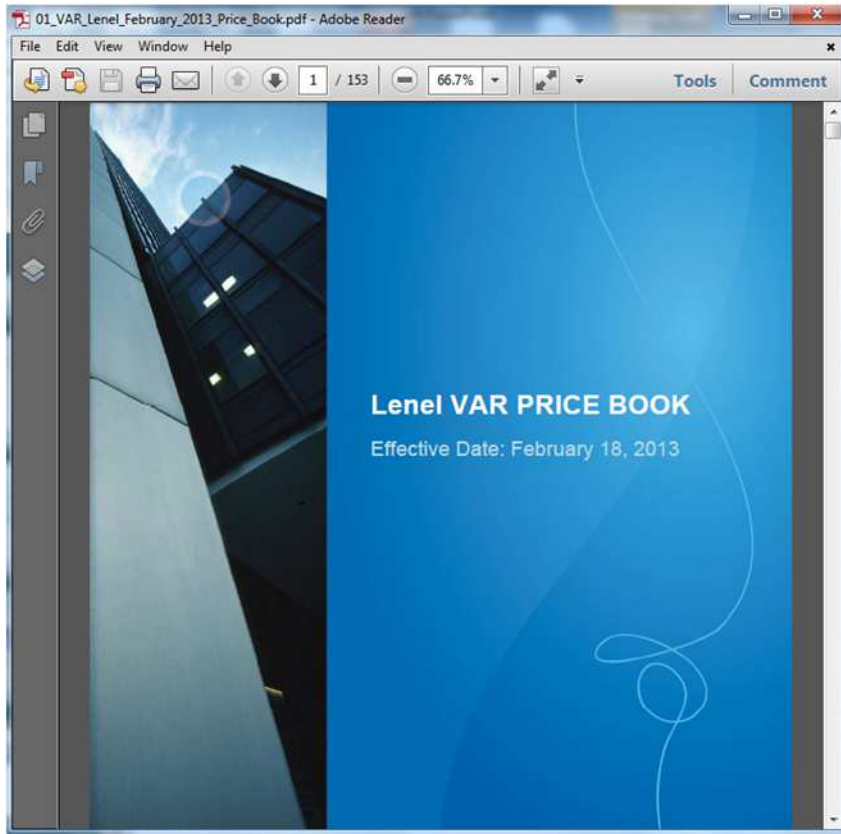
Database Segmentation

OnGuard employs an advanced database segmentation functionality. Each segment is allowed to have its own unique set of cardholders, hardware, and system parameters including access control field hardware, timezones, access levels, etc., which allow System Administrators to expand upon current hardware constraints. For example, each segment can have its own 32,000 access levels, 255 timezones, and 255 holidays. As such, only credentials that are assigned access levels to card readers in a segment need to be downloaded to the Intelligent System Controllers in that segment. Cardholders shall be allowed to belong to one segment, many segments, or all segments.

The SYSTEM's database segmentation functionality also provides a "segment/landlord" architecture to object records in the SYSTEM, where segment System Administrators and Operators can only view, add, modify, delete, and manipulate cardholders, system parameters and access control field hardware that belong to their respective segments. As such, Landlord Administrators shall have complete control over the entire system.

See the OnGuard A&E Specification and System Administration User Guides for more information on database segmentation.

Lenel OnGuard Price Books

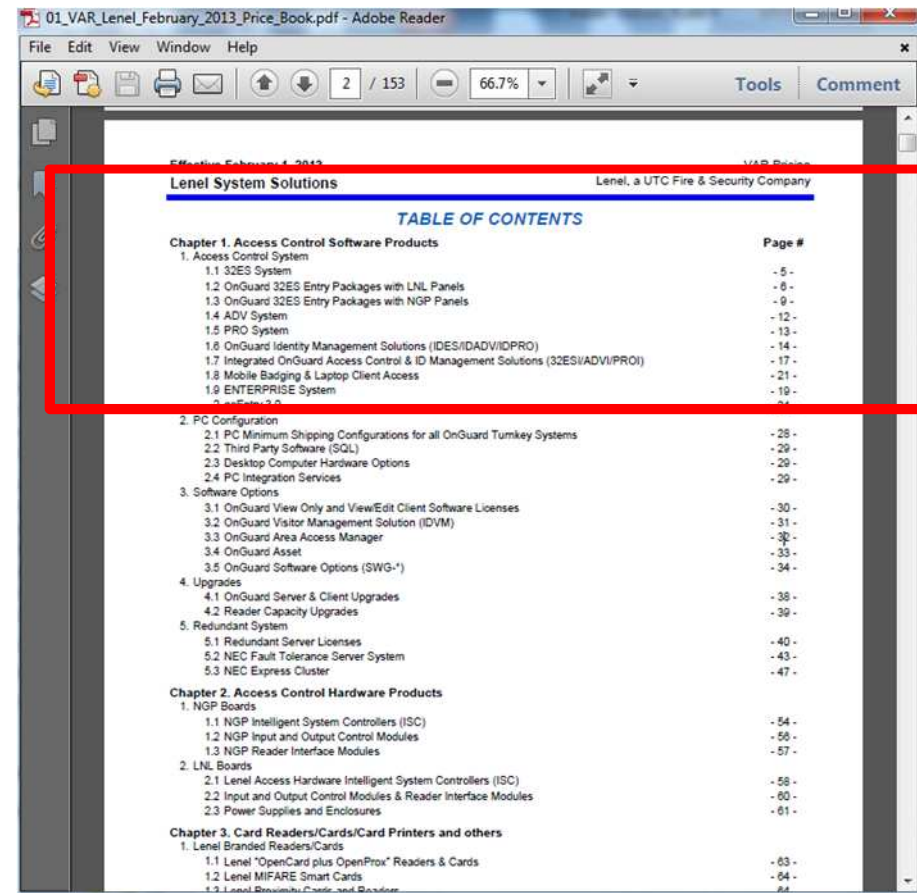
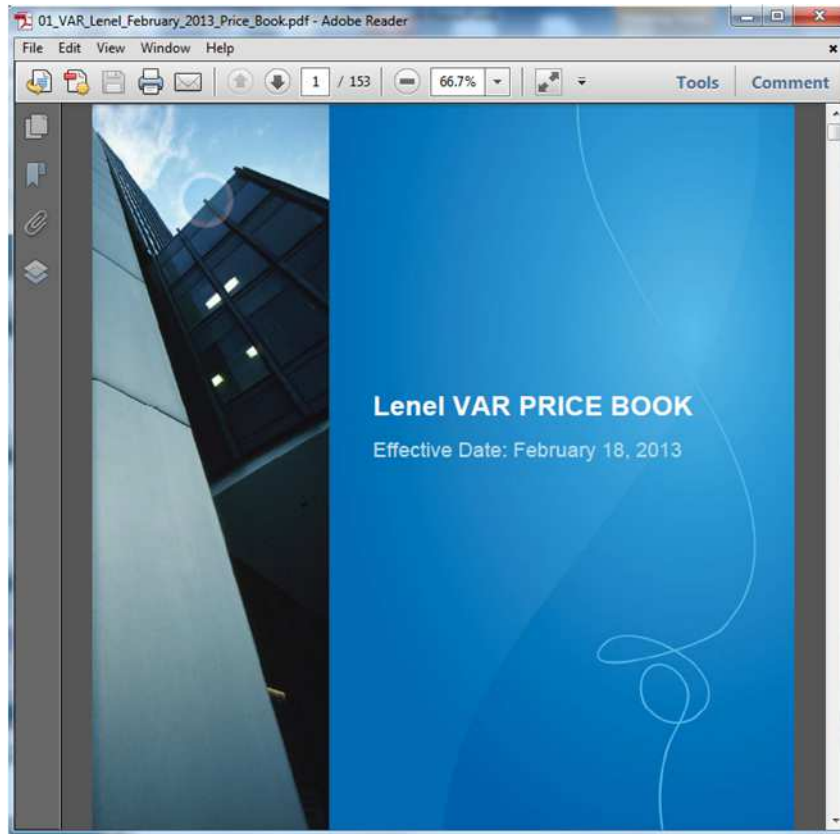


D:\VAR_MSRP_Price_Book_3rd_Party_Products_Feb_2013_Autofilters.xls - Microsoft Excel

LENEL FEBRUARY 2013 VAR PRICELIST

Part #	Description	VAR	MSRP	HTS Code	ECCN	COO
OG-MEDIA	OnGuard Software Media - DVD media in a clear double case, no physical documentation included. Please specify the version of OnGuard you would like. Only supported versions of OnGuard can be shipped out.	\$2.00	\$10.00	8523.49.4000	EAR99	US
OG-MEDIA-KIT	OnGuard Software Media Kit - consisting of 2 DVD's, double black DVD case, DCC-110 installation guide and slip case cover. Please specify the version of OnGuard you would like. Only supported versions of OnGuard can be shipped out.	\$15.00	\$30.00	8523.49.4000	EAR99	US
SWS-3ZES	OnGuard 3ZES Server Software License - OnGuard Server software license includes: System Administration, Alarm Monitoring, Map Designer, License Server, Comm. Server, Video Verify Support, E-mail Support, Guard Tour, Login Driver, Account Linkage, support for up to 32 card access readers and first year support plan for new systems. (Use PC CONFIGURATION #3A) (see page 28)	\$495.00	\$825.00	EXEMPT	EAR99	US
SWC-3ZES	OnGuard 3ZES Client Software License - OnGuard Client software license includes: System Administration, Alarm Monitoring, Map Designer and Login Driver. (Use PC CONFIGURATION #6C) (see page 28)	\$155.00	\$258.33	EXEMPT	EAR99	US
PCS-3ZES	OnGuard 3ZES Server Software License - OnGuard Server software license includes: System Administration, Alarm Monitoring, Map Designer, License Server, Comm. Server, Video Verify Support, E-mail Support, Guard Tour, Login Driver, Account Linkage, support for up to 32 card access readers and first year support plan for new systems. (Use PC CONFIGURATION #3A) (see page 28)	\$2,200.00	\$4,250.00	8471.50.0150	4A94	US
PCC-3ZES	OnGuard 3ZES Client System with PC - includes PC with Microsoft Windows 7 Professional 64bit loaded with OnGuard Client software license which includes: System Administration, Alarm Monitoring, Map Designer and Login Driver. (INCLUDES PC CONFIGURATION #6C) (see page 28)	\$1,350.00	\$2,600.00	8471.50.0150	4A94	US
OG-3ZES-2EP2	OnGuard 3ZES 2-Door Server Software Entry package - includes OnGuard Server software license [1] SWC-3ZES, OnGuard OnDemandCenter Client software [1] SWC-DES, [1] LNL-2220 intelligent system controller, [1] LNL-OL575ACTX power supply with enclosure, [2] LNL-PR10 OpenProx multi-muon readers, [100] LP-CS Lenel Prox clam shell access cards and first year	\$1,700.00	\$2,833.00	8471.90.0000	EAR99	US

Quoting Using Kits – PDF Price Book



01_VAR_Lenel_February_2013_Price_Book.pdf - Adobe Reader

File Edit View Window Help

2 / 153 66.7%

Tools Comment

Effective February 1, 2013

Lenel System Solutions Lenel, a UTC Fire & Security Company

TABLE OF CONTENTS

	Page #
Chapter 1. Access Control Software Products	
1. Access Control System	
1.1 32ES System	- 5 -
1.2 OnGuard 32ES Entry Packages with LNL Panels	- 6 -
1.3 OnGuard 32ES Entry Packages with NGP Panels	- 9 -
1.4 ADV System	- 12 -
1.5 PRO System	- 13 -
1.6 OnGuard Identity Management Solutions (IDES/IDAV/IDPRO)	- 14 -
1.7 Integrated OnGuard Access Control & ID Management Solutions (32ES/ADV/PRO)	- 17 -
1.8 Mobile Badging & Laptop Client Access	- 21 -
1.9 ENTERPRISE System	- 19 -
2. WebSite 3.0	- 24 -
2. PC Configuration	
2.1 PC Minimum Shipping Configurations for all OnGuard Turnkey Systems	- 28 -
2.2 Third Party Software (SQL)	- 29 -
2.3 Desktop Computer Hardware Options	- 29 -
2.4 PC Integration Services	- 29 -
3. Software Options	
3.1 OnGuard View Only and View/Edit Client Software Licenses	- 30 -
3.2 OnGuard Visitor Management Solution (IDVM)	- 31 -
3.3 OnGuard Area Access Manager	- 32 -
3.4 OnGuard Asset	- 33 -
3.5 OnGuard Software Options (SWG-1)	- 34 -
4. Upgrades	
4.1 OnGuard Server & Client Upgrades	- 38 -
4.2 Reader Capacity Upgrades	- 39 -
5. Redundant System	
5.1 Redundant Server Licenses	- 40 -
5.2 NEC Fault Tolerance Server System	- 43 -
5.3 NEC Express Cluster	- 47 -
Chapter 2. Access Control Hardware Products	
1. NGP Boards	
1.1 NGP Intelligent System Controllers (ISC)	- 54 -
1.2 NGP Input and Output Control Modules	- 56 -
1.3 NGP Reader Interface Modules	- 57 -
2. LNL Boards	
2.1 Lenel Access Hardware Intelligent System Controllers (ISC)	- 58 -
2.2 Input and Output Control Modules & Reader Interface Modules	- 60 -
2.3 Power Supplies and Enclosures	- 61 -
Chapter 3. Card Readers/Cards/Card Printers and others	
1. Lenel Branded Readers/Cards	
1.1 Lenel "OpenCard plus OpenProx" Readers & Cards	- 63 -
1.2 Lenel MIFARE Smart Cards	- 64 -
1.3 Lenel Branded Cards and Readers	- 64 -

01_VAR_Lenel_February_2013_Price_Book.pdf - Adobe Reader

File Edit View Window Help

2 / 153 120%

Tools Comment

Effective February 1, 2013 VAR Pricing
Lenel System Solutions Lenel, a UTC Fire & Security Company

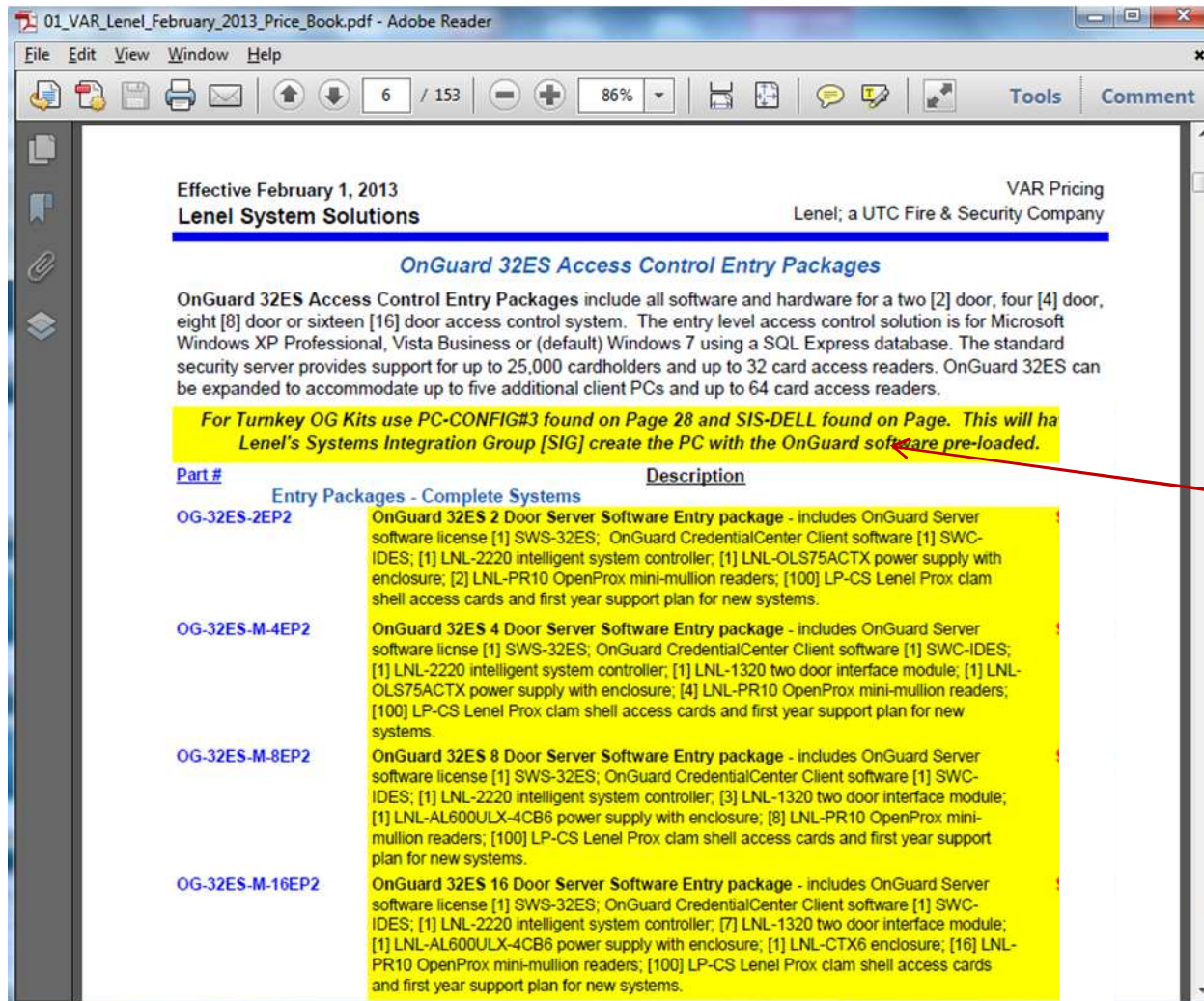
TABLE OF CONTENTS

Chapter 1. Access Control Software Products	Page #
1. Access Control System	
1.1 32ES System	- 5 -
1.2 OnGuard 32ES Entry Packages with LNL Panels	- 6 -
1.3 OnGuard 32ES Entry Packages with NGP Panels	- 9 -
1.4 ADV System	- 12 -
1.5 PRO System	- 13 -
1.6 OnGuard Identity Management Solutions (IDES/IDADV/IDPRO)	- 14 -
1.7 Integrated OnGuard Access Control & ID Management Solutions (32ESI/ADVI/PROI)	- 17 -
1.8 Mobile Badging & Laptop Client Access	- 21 -
1.9 ENTERPRISE System	- 19 -
2 goEntry 3.0	- 24 -
2. PC Configuration	
2.1 PC Minimum Shipping Configurations for all OnGuard Turnkey Systems	- 28 -
2.2 Third Party Software (SQL)	- 29 -
2.3 Desktop Computer Hardware Options	- 29 -
2.4 PC Integration Services	- 29 -
3. Software Options	
3.1 OnGuard View Only and View/Edit Client Software Licenses	- 30 -
3.2 OnGuard Visitor Management Solution (IDVM)	- 31 -
3.3 OnGuard Area Access Manager	- 32 -
3.4 OnGuard Asset	- 33 -
3.5 OnGuard Software Options (SWG-*)	- 34 -

LNL-xxxx = Mercury Hardware – Access Control only

Entry Packages up to 16 readers

- Kits can be purchased with or without readers
- PC Config#3 is the appropriate server
- Kits include OnGuard Software, Panels, and some kits include power supplies, enclosures, readers, and cards



01_VAR_Lenel_February_2013_Price_Book.pdf - Adobe Reader

File Edit View Window Help

6 / 153 86%

Tools Comment

Effective February 1, 2013
Lenel System Solutions

VAR Pricing
Lenel; a UTC Fire & Security Company

OnGuard 32ES Access Control Entry Packages

OnGuard 32ES Access Control Entry Packages include all software and hardware for a two [2] door, four [4] door, eight [8] door or sixteen [16] door access control system. The entry level access control solution is for Microsoft Windows XP Professional, Vista Business or (default) Windows 7 using a SQL Express database. The standard security server provides support for up to 25,000 cardholders and up to 32 card access readers. OnGuard 32ES can be expanded to accommodate up to five additional client PCs and up to 64 card access readers.

For Turnkey OG Kits use PC-CONFIG#3 found on Page 28 and SIS-DELL found on Page. This will have Lenel's Systems Integration Group [SIG] create the PC with the OnGuard software pre-loaded.

Part #	Description
OG-32ES-2EP2	OnGuard 32ES 2 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [1] LNL-OLS75ACTX power supply with enclosure; [2] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
OG-32ES-M-4EP2	OnGuard 32ES 4 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [1] LNL-1320 two door interface module; [1] LNL-OLS75ACTX power supply with enclosure; [4] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
OG-32ES-M-8EP2	OnGuard 32ES 8 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [3] LNL-1320 two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure; [8] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
OG-32ES-M-16EP2	OnGuard 32ES 16 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [7] LNL-1320 two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure; [1] LNL-CTX6 enclosure; [16] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.

Entry Packages - Complete System Kits



Part #

Description

Entry Packages - Complete Systems

OG-32ES-2EP2

OnGuard 32ES 2 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [1] LNL-OLS75ACTX power supply with enclosure; [2] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.

OnGuard Application & Database Server



SWS-32ES
(Software Only)



Add Server
Computer (PC
Config #3a

Personnel Enrollment
Photo ID Credentialing



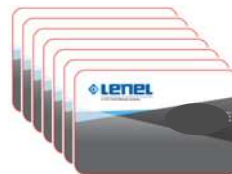
SWC-IDES
(Software Only)



Add Computer
Add Card Printer
Add Camera



LNL-2220
ISC



LP-CS – (100)
Clam Shell
Access Cards



LNL-OLS75ACTX
Power Supply w
Enclosure



LNL-PR10 (2)
OpenProx Mini-
Mullion
Readers



First year SUSP

Simple cost-effective choice for Lenel OnGuard and Video systems

Tiered reader pricing with Max cap

Low cost base structure OnGuard ADV, PRO and Enterprise systems

Support for test systems included

Complete Systems - 8 door

OG-32ES-M-8EP2

OnGuard 32ES 8 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [3] LNL-1320 two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure; [8] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.

OnGuard Application & Database Server



SWS-32ES
(Software Only)



Add Server
Computer (PC
Config #3a

Personnel Enrollment
Photo ID Credentialing



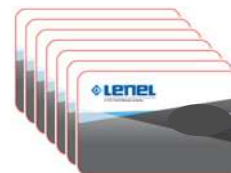
SWC-IDES
(Software Only)



Add Computer
Add Card Printer
Add Camera



LNL-2220 (1)
LNL-1320 (3)



LP-CS – (100)
Clam Shell
Access Cards



LNL-AL600ULX-4CB6
Power Supply w
Enclosure (fits 6
boards)



LNL-PR10 (8)
OpenProx Mini-
Mullion
Readers



First year SUSP

Simple cost-effective choice for Lenel OnGuard and Video systems

Tiered reader pricing with Max cap

Low cost base structure OnGuard ADV, PRO and Enterprise systems

Support for test systems included

Entry Packages with No Cards or Readers

- OG-32ES-2NCR2** **OnGuard 32ES 2 Door Server Software Entry package** - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [1] LNL-OLS75ACTX power supply with cabinet and first year support plan for new systems.
- OG-32ES-M-4NCR2** **OnGuard 32ES 4 Door Server Software Entry package** - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [1] LNL-1320 two door interface module; [1] LNL-OLS75ACTX power supply with enclosure and first year support plan for new systems.
- OG-32ES-M-8NCR2** **OnGuard 32ES 8 Door Server Software Entry package** - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [3] LNL-1320 two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure and first year support plan for new systems.
- OG-32ES-M-16NCR2** **OnGuard 32ES 16 Door Server Software Entry package** - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [7] LNL-1320 two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure; [1] LNL-CTX-6 enclosure and first year support plan for new systems.

+ Entry Kits with No Cards or Readers

OnGuard 32ES Access Control Entry Packages (continued)

<u>Part #</u>	<u>Description</u>
Entry Packages with Cards and Readers, No Power Supplies or Enclosure	
OG-32ES-2EPE-NP	OnGuard 32ES 2 Door Server Software Entry package without power supply - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [2] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
OG-32ES-M-4EPE-NP	OnGuard 32ES 4 Door Server Software Entry package without power supply - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [1] LNL-1320 two door interface module; [4] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
OG-32ES-M-8EPE-NP	OnGuard 32ES 8 Door Server Software Entry package without power supply - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [3] LNL-1320 two door interface module; [8] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
OG-32ES-M-16EP-NP	OnGuard 32ES 16 Door Server Software Entry package without power supply - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-2220 intelligent system controller; [7] LNL-1320 two door interface module; [16] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.

+ With Cards and Readers, no PS or Enclosure

OnGuard 32ES Access Control Entry Package with NGP Panels

For Turnkey NGP OG Kits use PC-CONFIG#3 found on Page 28 and SIS-DELL found on Page. This will have Lenel's Systems Integration Group [SIG] create the PC with the OnGuard software pre-loaded.

Part

Description

NGP Entry Kits with NGP Panel (Utilizing NGP Universal Boards)

NGP-OG-32ES-2EP2	OnGuard 32ES 2 Door Server Software Entry package with NGP boards - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] NGP-2220UL intelligent system controller; [2]LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
NGP-OG-32ES-4EP2	OnGuard 32ES 4 Door Server Software Entry package with NGP boards - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] NGP-2220UL intelligent system controller; [1] NGP-1320-UKIT two door interface module; [1] LNL-AL400ULX power supply with enclosure; [4] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
NGP-OG-32ES-8EP2	OnGuard 32ES 8 Door Server Software Entry package with NGP boards - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] NGP-2220UL intelligent system controller; [3] NGP-1320-UKIT two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure; [8] LNL-PR10 OpenProx mini-mullion readers; [100] LP-CS Lenel Prox clam shell access cards and first year support plan for new systems.
NGP-OG-32ES-16EP2	OnGuard 32ES 16 Door Server Software Entry package with NGP boards - includes

- + **NGP Entry Kits with Cards and Readers**
- + **Entry Packages with no cards and readers**
- + **Entry packages with cards and readers, no PS or Enclosures**

- + LNL Authentic Mercury Kits**
- + 2, 4, 8, 16 reader kits**
- + With or without readers, cards, power supplies, etc**
- + Easiest way to configure systems**

Introduction to OnGuard Software – Configured Systems

System Comparison



	32 ES	ADV	Pro
Readers	32 exp to 64	64 exp to 256	128 Unlimited Exp
Floor Plans	Included	Included	Included
Automatic eMail on Alarm	Included	Included	Included
DataBase	SQL Express 2008	SQL Express / MS SQL 2008 or Oracle 9i / 10g	MS SQL 2008 or Oracle 9i / 10g
Guard Tour	Included	Included	Included
FormsDesigner	Lite Included Full Optional	Lite Included Full Optional	Lite Included Full Optional
Badging	Optional	Optional	Optional
Video Recording	Optional	Optional	Optional
Visitor Management	Optional	Optional	Optional
Biometrics	Optional	Optional	Optional
DataConduIT	Optional	Optional	Optional
Clients	Up to 5	Up to 10	Unlimited
Segmentation	Not Available	Optional	Optional

A-la-Carte – Software Only

3 Versions:
SWS-32ES
SWS-ADV
SWS-PRO

Client SW
SWC-32ES
SWC-ADV

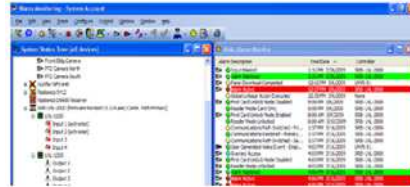
Photo ID Badging SW
SWC-IDES ← badging only
SWC-IDADV ← badging only

Mobile Monitoring
SWG-MOMO
SWG-MOMO-XX

OnGuard Application
& Database Server



SWS-32ES
(Software Only)



Alarm Monitoring
System Administration
(Software Only)



SWC-IDES
(Software Only)



Mobile Monitoring for
iPad or Android
(Tablet not included)

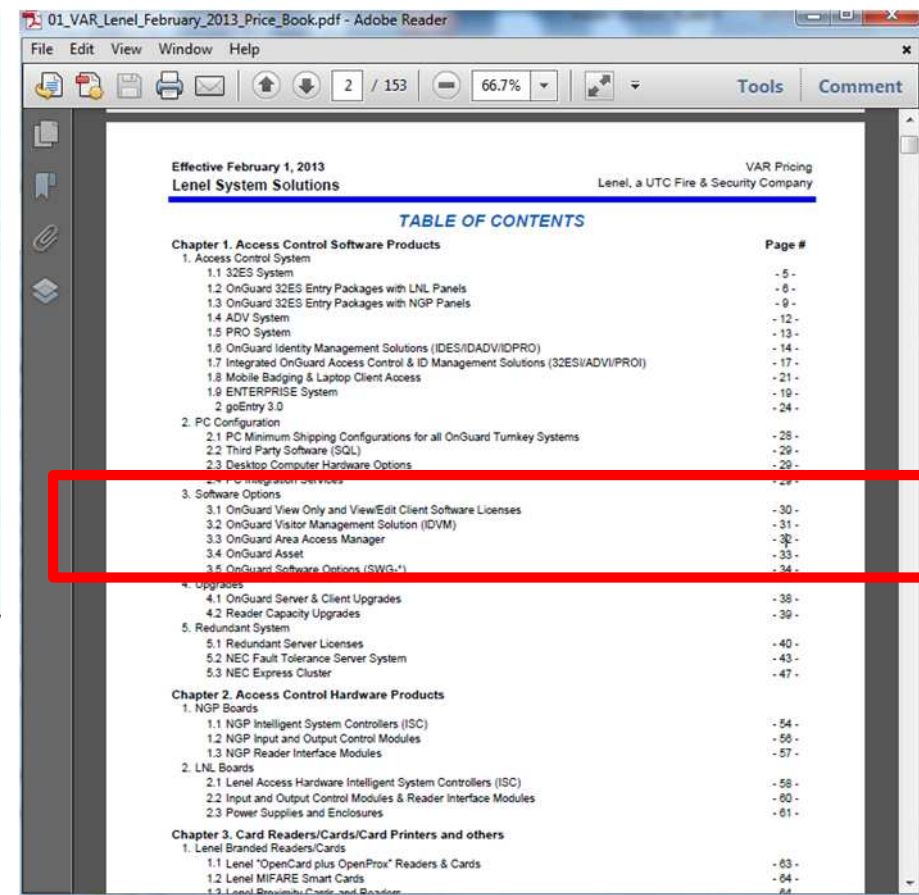
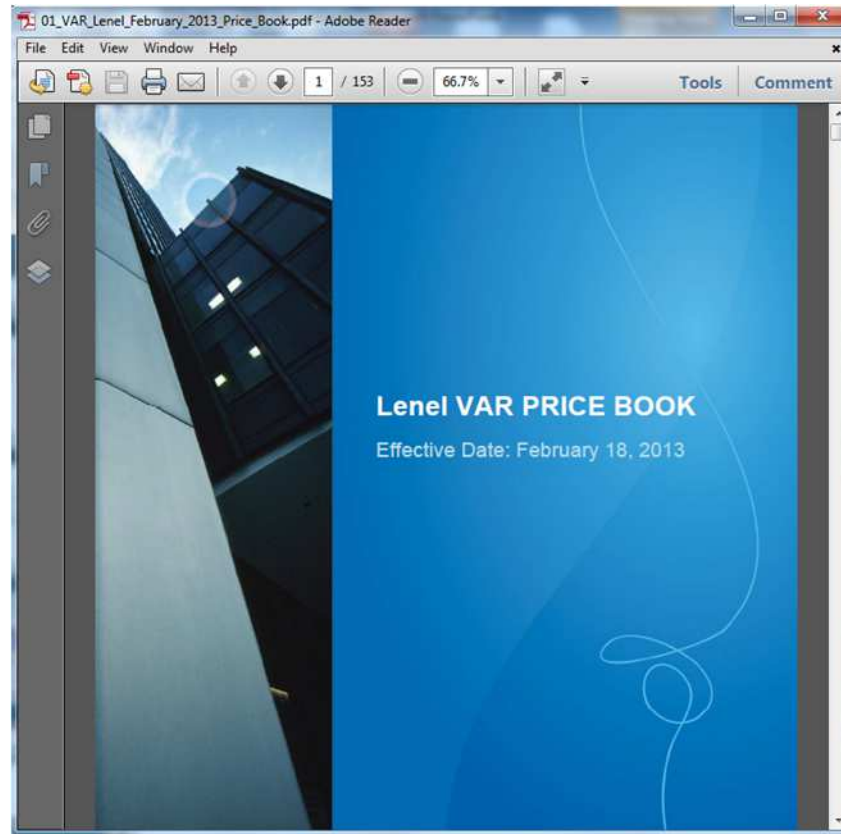
↓
Add Server Computer
(PC Config #3a) or
choose turnkey system
option

↓
Add Client Computer (PC
Config #6c) or choose
turnkey system option

↓
Add Computer
Add Card Printer
Add Camera

This slide represents the simplest configurations. For all available configurations, see the full quoting chart.

Quoting – PDF Price Book



The screenshot shows the 'TABLE OF CONTENTS' page of the price book. The document is on page 2 of 153, zoomed to 66.7%. The page title is 'Lenel System Solutions' and it is dated 'Effective February 1, 2013'. The table of contents lists various chapters and sections with their corresponding page numbers. A red rectangular box highlights the 'Software Options' section, which includes items 3.1 through 3.5.

	Page #
Chapter 1. Access Control Software Products	
1. Access Control System	
1.1 32ES System	- 5 -
1.2 OnGuard 32ES Entry Packages with LNL Panels	- 6 -
1.3 OnGuard 32ES Entry Packages with NGP Panels	- 9 -
1.4 ADV System	- 12 -
1.5 PRO System	- 13 -
1.6 OnGuard Identity Management Solutions (IDES/IDADV/IDPRO)	- 14 -
1.7 Integrated OnGuard Access Control & ID Management Solutions (32ES/ADV/PRO)	- 17 -
1.8 Mobile Badging & Laptop Client Access	- 21 -
1.9 ENTERPRISE System	- 19 -
2 goEntry 3.0	- 24 -
2. PC Configuration	
2.1 PC Minimum Shipping Configurations for all OnGuard Turnkey Systems	- 28 -
2.2 Third Party Software (SQL)	- 29 -
2.3 Desktop Computer Hardware Options	- 29 -
2.4 Integration Services	- 29 -
3. Software Options	
3.1 OnGuard View Only and View/Edit Client Software Licenses	- 30 -
3.2 OnGuard Visitor Management Solution (IDVM)	- 31 -
3.3 OnGuard Area Access Manager	- 33 -
3.4 OnGuard Asset	- 33 -
3.5 OnGuard Software Options (SWG+)	- 34 -
4. Upgrades	
4.1 OnGuard Server & Client Upgrades	- 38 -
4.2 Reader Capacity Upgrades	- 39 -
5. Redundant System	
5.1 Redundant Server Licenses	- 40 -
5.2 NEC Fault Tolerance Server System	- 43 -
5.3 NEC Express Cluster	- 47 -
Chapter 2. Access Control Hardware Products	
1. NGP Boards	
1.1 NGP Intelligent System Controllers (ISC)	- 54 -
1.2 NGP Input and Output Control Modules	- 56 -
1.3 NGP Reader Interface Modules	- 57 -
2. LNL Boards	
2.1 Lenel Access Hardware Intelligent System Controllers (ISC)	- 58 -
2.2 Input and Output Control Modules & Reader Interface Modules	- 60 -
2.3 Power Supplies and Enclosures	- 61 -
Chapter 3. Card Readers/Cards/Card Printers and others	
1. Lenel Branded Readers/Cards	
1.1 Lenel "OpenCard plus OpenProx" Readers & Cards	- 63 -
1.2 Lenel MIFARE Smart Cards	- 64 -
1.3 Lenel Branded Card and Reader	- 64 -

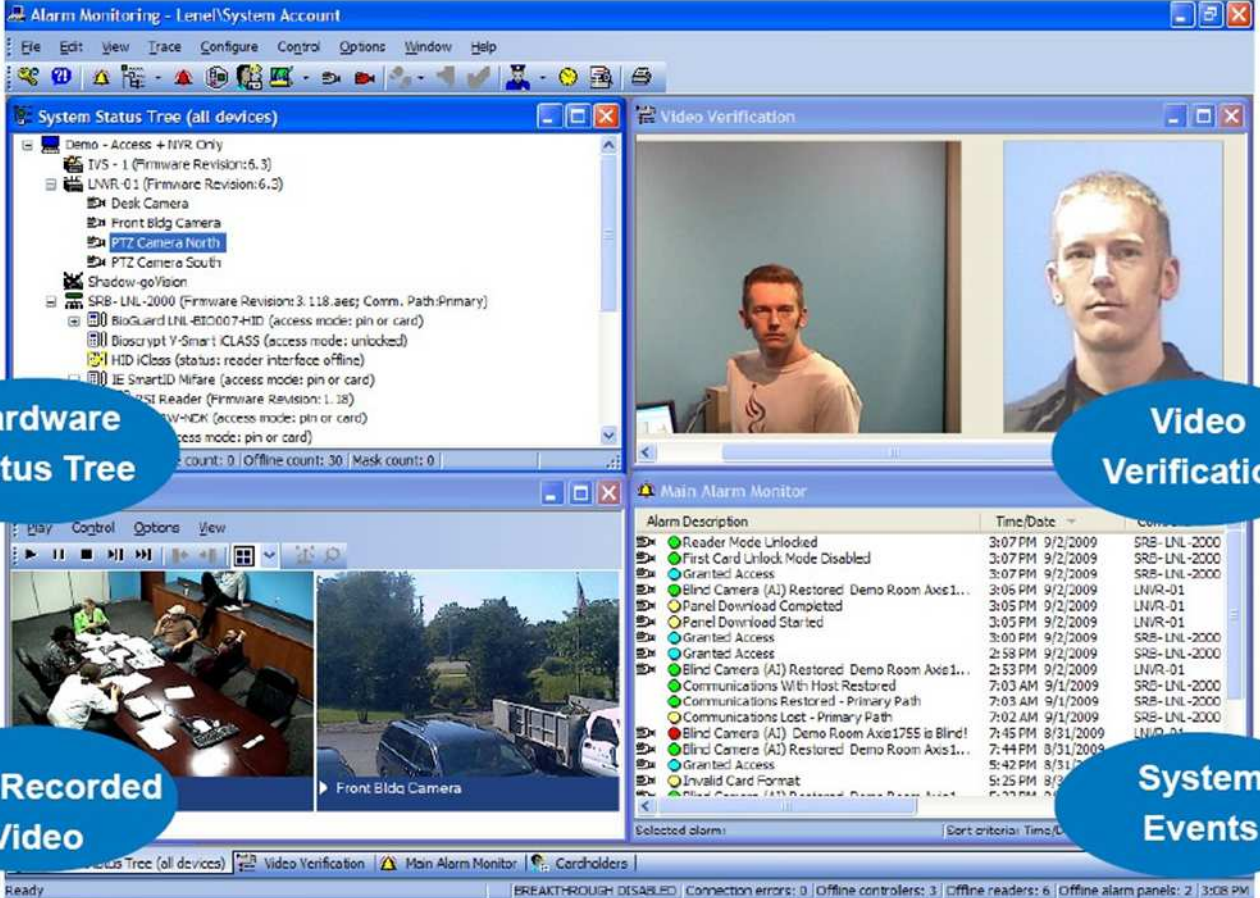
- + **Mobile Badging** - **Mobile Badging Client License** is a software client that supports mobile badging functionality using a local [replicated] cardholder database.
- + **Redundancy – and Fault Tolerant Hardware**
- + **OnGuard Enterprise – Multi Server Deployment**
- + **View only and View/Edit Clients** - This license does not include any image capture, printing, or system administration capabilities. Both of these products are available as software only client licenses.
- + **OnGuard Visitor (Front Desk)**
- + **OnGuard Area Access Manager**
- + **OnGuard Asset manager**
- + **Additional Options (SWG-xxxx)**

OnGuard Software Options

<u>Part #</u>	<u>Description</u>
	Systems Wide Software Options
SWG-1120	OnGuard Mustering Software Option
SWG-1225	DataExchange – Global Data Import/Export Utility
SWG-1210	OnGuard FormsDesigner (User definable Fields)
SWG-1250	Automatic Alarm Export, provides an output text file for configured alarms. The text file can be pulled into a third party application to report on alarm conditions (previously offered as Automatic Paging Interface)
SWG-1340	Intercom Communication Interface for OnGuard , supports - Zenitel Alphacom and Alphanet systems, Vandal-Proof Products Presidium Interface supervised communications, Avaya PBX and Ericsson MD-110 phone systems. (interface purchase per intercom system)
SWG-1350	Fire Alarm Panel Communications Interface for OnGuard , supports Cerberus Pyrotronics model (MXL-IQ), Notifier AM-2020, NFS-640 and ESPA 4.4.4 protocol (interface purchased per Fire panel)
SWS-VSA	OnGuard Alert Management Software License – includes global server software license for the Visonic communications interface (Requires SWG-1355 per SLC-5)
SWG-1355	Visonic Technologies SLC-5 – Communications device driver per SLC-5 controller (includes 255 bus transmitters) (requires SWS-VSA)
SWG-1410	Central Station Receiver Interface – communication software for central station receivers, must be order one SWG-1410 for each receiver. (Currently supported receivers are Radionics 6500, 6600, Osborne Hoffman 2000, 2000E and AES 7000 series)
SWG-1450	Intrusion Panel Support Option (per panel) Radionics 9412, 7412, Guardall RxQxPx, Detection Systems 7400Xi version 3 and 4 panels and Galaxy Intrusion Alarm Panel Support for models (8, 16, 60, 128, 500, 504). Also required for Guardall and OAAP intrusion panel add-ins
SWG-LP	Language Pack Module - supported languages on OnGuard 2009 6.3.249 are Arabic, Simple Chinese, Traditional Chinese, Croatian, Czech, Dutch, Finnish, German, Hebrew

Introduction to OnGuard Software – Digital Video

- + SWG-DV – add on to existing OnGuard System
- + SW-LNR-CH1 – for each video channel



The screenshot displays the Alarm Monitoring software interface with several key components highlighted by blue callouts:

- Hardware Status Tree:** A tree view on the left showing the system hierarchy, including Demo - Access + NVR Only, TVS - 1, LNR-01, and various cameras and readers.
- Video Verification:** A window showing two side-by-side video feeds of a man's face, used for facial recognition verification.
- Main Alarm Monitor:** A central window displaying a list of alarm events with columns for Alarm Description, Time/Date, and Location.
- Live/Recorded Video:** A window at the bottom left showing a live video feed of a meeting room and a recorded video feed of a truck.

Alarm Description	Time/Date	Location
Reader Mode Unlocked	3:07 PM 9/2/2009	SRB-LNL-2000
First Card Unlock Mode Disabled	3:07 PM 9/2/2009	SRB-LNL-2000
Granted Access	3:07 PM 9/2/2009	SRB-LNL-2000
Blind Camera (A1) Restored: Demo Room Axis1...	3:05 PM 9/2/2009	LNR-01
Panel Download Completed	3:05 PM 9/2/2009	LNR-01
Panel Download Started	3:05 PM 9/2/2009	LNR-01
Granted Access	3:00 PM 9/2/2009	SRB-LNL-2000
Granted Access	2:58 PM 9/2/2009	SRB-LNL-2000
Blind Camera (A1) Restored: Demo Room Axis1...	2:53 PM 9/2/2009	LNR-01
Communications With Host Restored	7:03 AM 9/1/2009	SRB-LNL-2000
Communications Restored - Primary Path	7:03 AM 9/1/2009	SRB-LNL-2000
Communications Lost - Primary Path	7:02 AM 9/1/2009	SRB-LNL-2000
Blind Camera (A1) Demo Room Axis1755 is Blind!	7:45 PM 8/31/2009	LNR-01
Blind Camera (A1) Restored: Demo Room Axis1...	7:44 PM 8/31/2009	LNR-01
Granted Access	5:42 PM 8/31/2009	LNR-01
Invalid Card Format	5:25 PM 8/31/2009	LNR-01
Blind Camera (A1) Restored: Demo Room Axis1...	5:25 PM 8/31/2009	LNR-01

- + Enable Digital Video
- + OnGuard Video or Prism

Chapter 4: Video Products (Hardware & Software)

1. PRISM Video	- 104 -
2. SkyPoint	- 107 -
3. OnGuard VideoManager™	
3.1 OnGuard VideoManager Software	- 113 -
3.2 OnGuard Video Software Options	- 114 -
4. OnGuard IntelligentVideo™	- 115 -
5. Lenel Video Recorders	
5.1 Hybrid Recorders (HVR)	- 119 -
5.2 Lenel Network Video Recorders (LNVR)	- 123 -
5.3 Lenel Video Recorder Options	- 125 -
5.4 Lenel Video Recorder Storage Options (Nexsan Storage Arrays)	- 126 -
6. goVision Series	- 128 -
7. Panasonic IP Cameras	- 132 -
8. IQinVision IP Cameras	- 133 -
9. Interlogix Video Products (Formerly GE Security Products)	- 134 -

- + **Integrated Security**
 - OnGuard
 - Open API & SDK
- + **Advanced User Interface**
 - Customizable layout options
 - Mixed live, recorded video
 - Intuitive controls and views
- + **Advanced Investigation Tools**
 - Synchronized video playback
 - Event & time-based video browsing
- + **Flexible Deployment Options**
 - Cooperative multi-server capability
 - Multiple recorder options
 - IP camera support > 300 makes/models
- + **Low TCO**
 - Tiered pricing
 - Base system licensing covers unlimited use of client Lenel NVR recorder software
 - Camera channel licensing applies to overall system capacities
 - Single Video SUSP



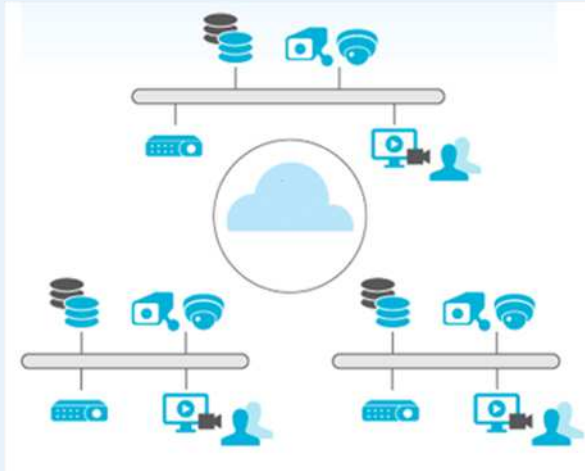
Prism Deployment Options

Integrated

Prism Professional



Prism Enterprise



Standalone

Prism Std



- + 1-32 cameras
- + Single Prism server

- + No camera limit
- + Single Prism server
- + ACS Integration
- + Analytics*
- + Video Wall*

- + No camera limit
- + Multiple Prism servers
- + ACS Integration
- + Analytics*
- + Video Wall*

Small Scale
Single Location

Campus

Large Scale
Multi-Campus

+ Prism Standard Edition

- PRSM-STD-BASE Prism Standard Server License; includes VMS Server and Client software; no camera channels included. Prism Standard has a MAX capacity of 32 video channels. Not eligible to be integrated into OnGuard. \$300
- PRSM-STD-CH1 Prism Standard video channel license \$70

+ Prism Professional Edition (non-integrated)

- PRSM-PRO-BASE Prism Professional Server License; includes VMS Server and Client software; no camera channels included. No max on channels. \$600
- PRSM-PRO-ENT-CH1 Prism Professional and Enterprise video channel license; meant for stand-a-lone Prism PRO and ENT systems. \$100

+ Prism Professional Edition (Integrated with OnGuard)

- PRSM-PRO-BASE Prism Professional Server License; includes VMS Server and Client software; no camera channels included. No max on channels. \$600
- SWG-DV OnGuard Digital Video Enabler. [required to be enabled to have Prism Integrate with OnGuard] \$400
- PRSM-INT-OG Prism Integration into OnGuard. This is a ONE TIME fee. This will allow a Prism Professional or Prism Enterprise system to be integrated into OnGuard via the purchase of the PRSM-INT2OG-CH1 channels. \$500
- PRSM-INT2OG-CH1 Prism Integrated Professional and Enterprise video channel license; meant for integrated Prism systems with OnGuard. This includes an increment in OnGuard for your Prism licensing. [Requires PRSM-INT-OG] \$150

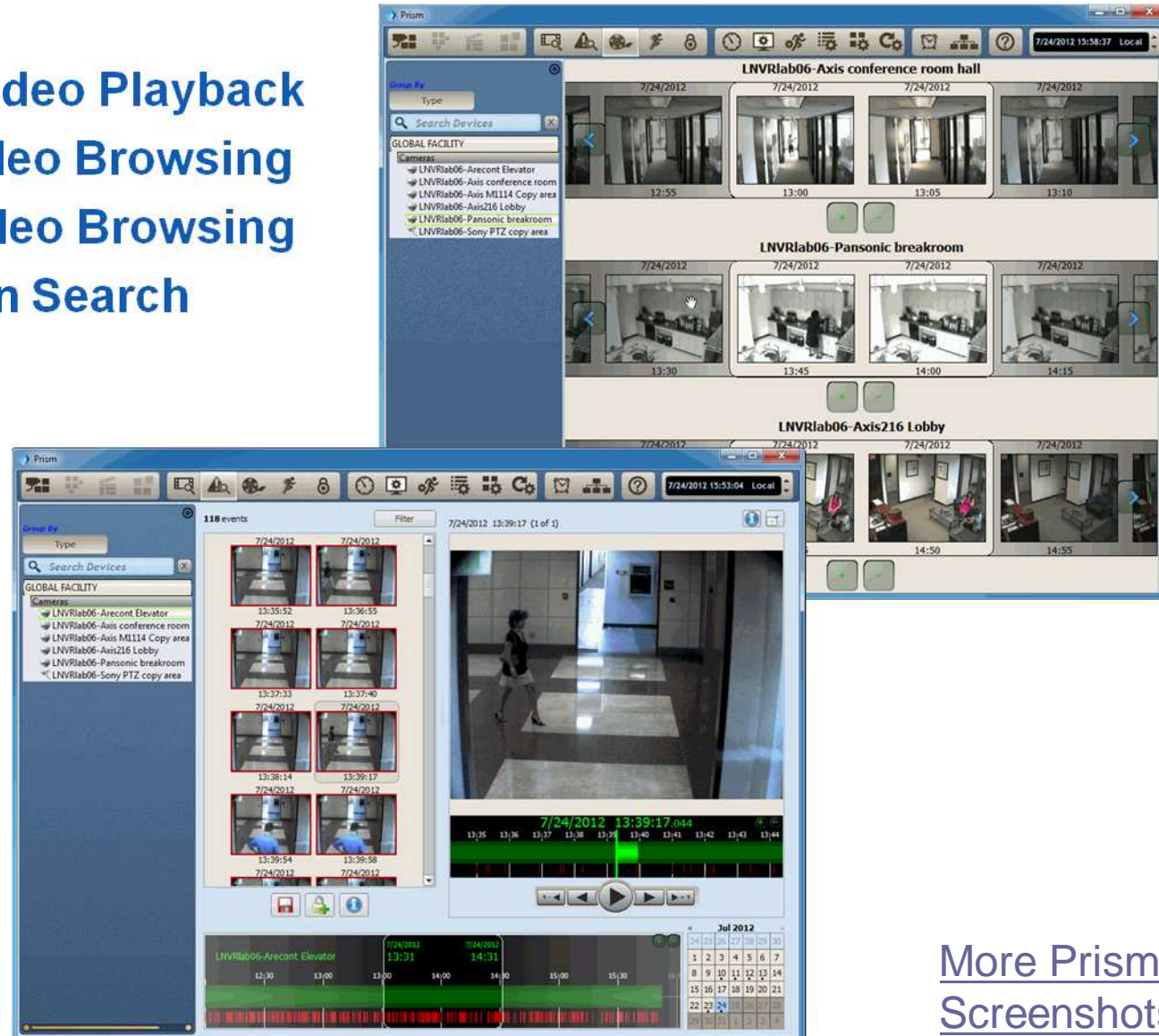
Video client functionality



Feature/Function	Prism 2012	OnGuard Video 6.5	SkyPoint 2.01	Visiowave / VSC
Map & Tree Navigation	X	X	X	X
Integrated Video Alarm Panel	X	X	X	X
Video Timebar w/ Adjustable Timescale	X		X	
User Definable Layouts, Sequences, Salvos	X	X	X	X
Onscreen PTZ & Digital Zoom	X	X	X	X
Tile Maximize/Restore with Video Preview	X			
Tile Pop-Out	X	X		X
Layout Tear-Out, Navigation & Alarm Panel Tear-Out	X			
Pre/Post Event Loop Display	X	X	X	X
Snap-Shots/Local Recording	X	X	X	X
Unlimited Hot Tiles	X		X	
Operator-to-Operator Video Routing	X		X	
Synchronized Playback from Operator View	X			
Video Query w/ Synchronized Playback	X	X	X	
Time & Event-Based Browsing	X		X	
Post-Record Motion Search	X	X	X	
Evidence Locker & Case Reports w/ Web Export	X			
Server Federation for Distributed Topologies & Scale	X			X

Multiple Forensics Tools

- + Synchronized Video Playback
- + Event-Based Video Browsing
- + Time Lapsed Video Browsing
- + Recorded Motion Search

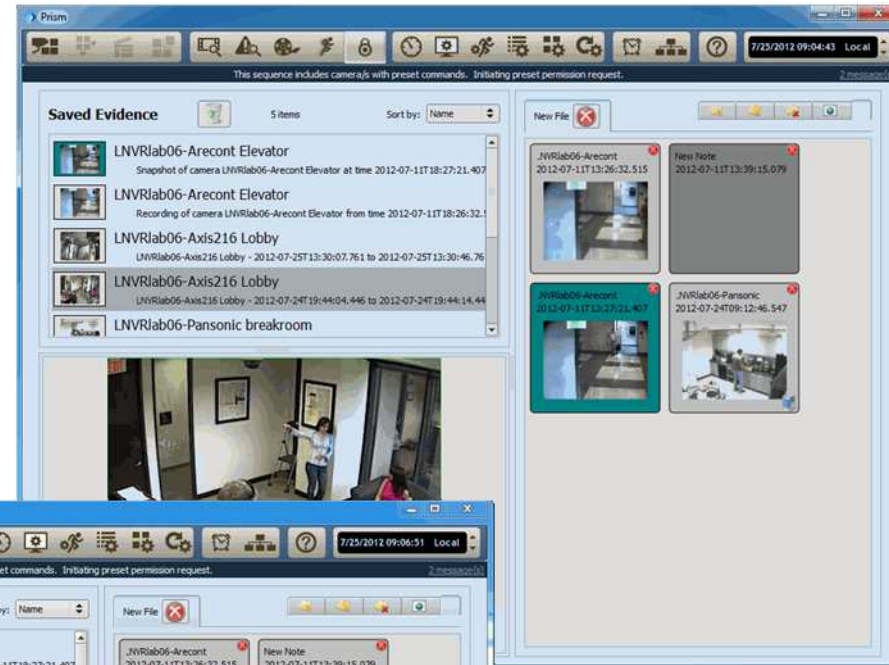


[More Prism Screenshots](#)

Innovative Evidence Gathering & Reporting Tools



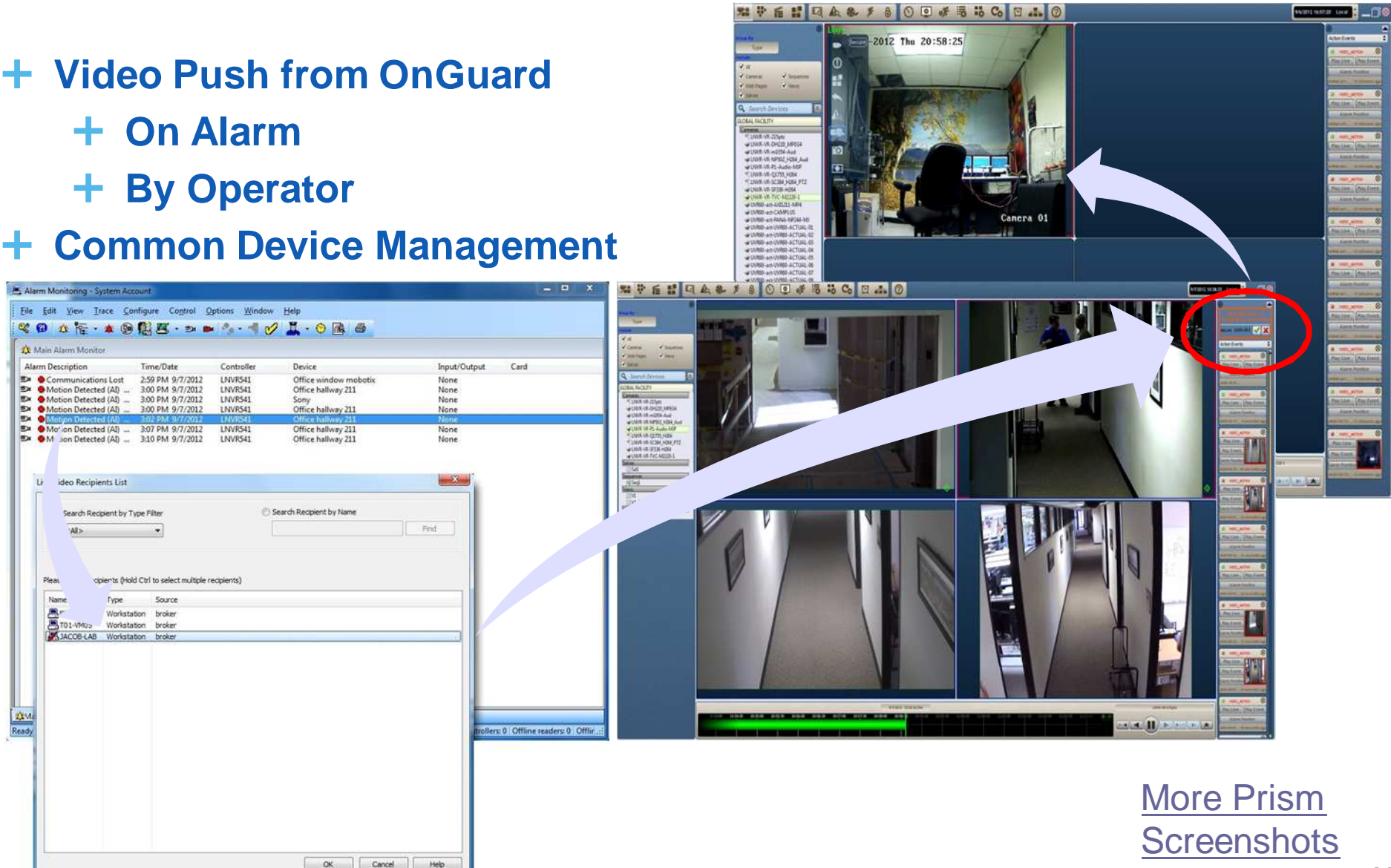
- + 'Evidence Locker' for Collection & Analysis
- + Multiple Export Formats
 - + Evidentiary
 - + Open
 - + Flash/HTML



[More Prism Screenshots](#)

OnGuard ↔ Prism interaction

- + Video Push from OnGuard
 - + On Alarm
 - + By Operator
- + Common Device Management



[More Prism Screenshots](#)

Introduction to OnGuard Software – Access Control Hardware

Chapter 2: Access Control Hardware Products

1. NGP Boards	
1.1 NGP Intelligent System Controllers (ISC)	- 54 -
1.2 NGP Input and Output Control Modules	- 56 -
1.3 NGP Reader Interface Modules	- 57 -
2. LNL Boards	
2.1 Lenel Access Hardware Intelligent System Controllers (ISC)	- 58 -
2.2 Input and Output Control Modules & Reader Interface Modules	- 60 -
2.3 Power Supplies and Enclosures	- 61 -

LNL-xxxx = Mercury Hardware – Access Control only

NGP-xxxx = Next Generation Panel -- Access
Control/Intrusion

NGP - Continued

NGP-2220 – Access Only

NGP-2220i – Intrusion Support



2 Door Board

- NGP-1320= board only
- NGP-1320-UKIT (displayed)



120-3633L World Wide Modem, required for NGP Panel central station communication via phone line, RoHS, CE, UL294 certified.



Input Board

- NGP-1100 = board only
- NGP-1100-UKIT



Output Board

- NGP-1200= board only
- NGP-1200-UKIT



LCD Keypads

- NGP-CKGx = Grey
- NGP-CKWx = White

NGP-UP-2X2I Upgrade from NGP-2220 to NGP-2220i, Add Intrusion Features.

LNL (Mercury) Hardware



Access series



LNL-2220
10/100 LAN connectivity
Supports 64 readers
Supports 32 downstream devices



LNL-3300
Dual redundant Ethernet capable
Supports 64 readers
Supports 64 downstream devices on 2 downstream RS485 ports

Option Boards – RS485



LNL-1300 – Single Reader – 2 relay outputs, 2 inputs for DPS/REX



LNL-1320 – 2 rdr's – 4 auxiliary inputs (2 per door), 6 form C relay outputs



LNL-1100 – 16 Input /2 output Board
Rs-485 connectivity



LNL-1200 – 16 Output Board w relays
RS485 connectivity

LNL-2210 PoE Edge Controller



- Compact & secure 3 gang design
- Controls 1 or 2 rdrs (in/out)
- Standard PoE 48VDC directly powers readers, low watt strikes and REXs

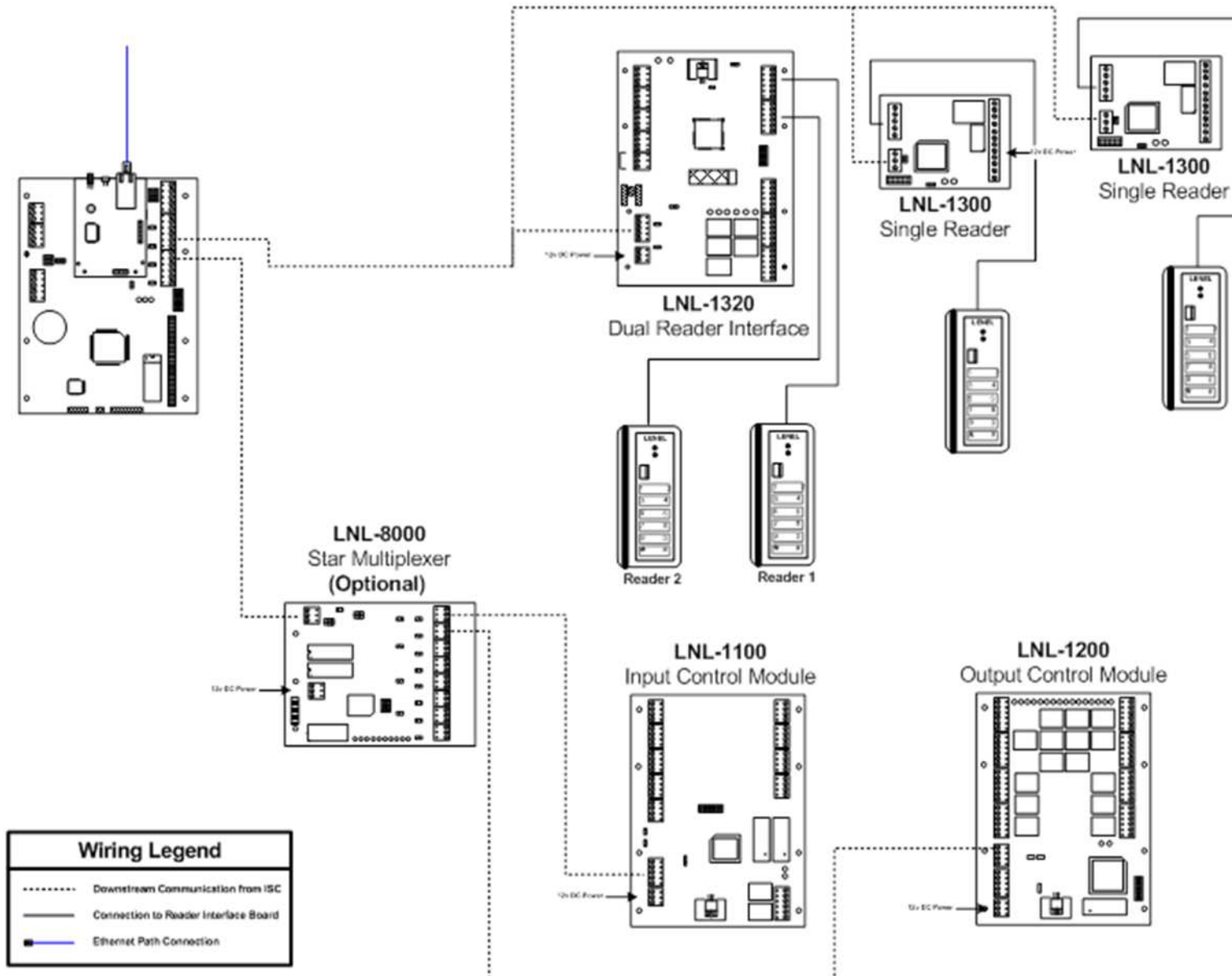
CAT5 to the door, eliminates costly proprietary wiring back to central closets

Lenel Opencard Multi-Tech Readers

- All-In-One Prox & Smartcard
- Reads Lenel prox, GE/CASI Prox-lite, XceedID prox, AWID prox & HID Prox
- Reads Mifare, Vicinity, and HID iCLASS Smartcard CSNs
- Standard Wiegand, multi-format programmable output
- Mullion and Single Gang Mount

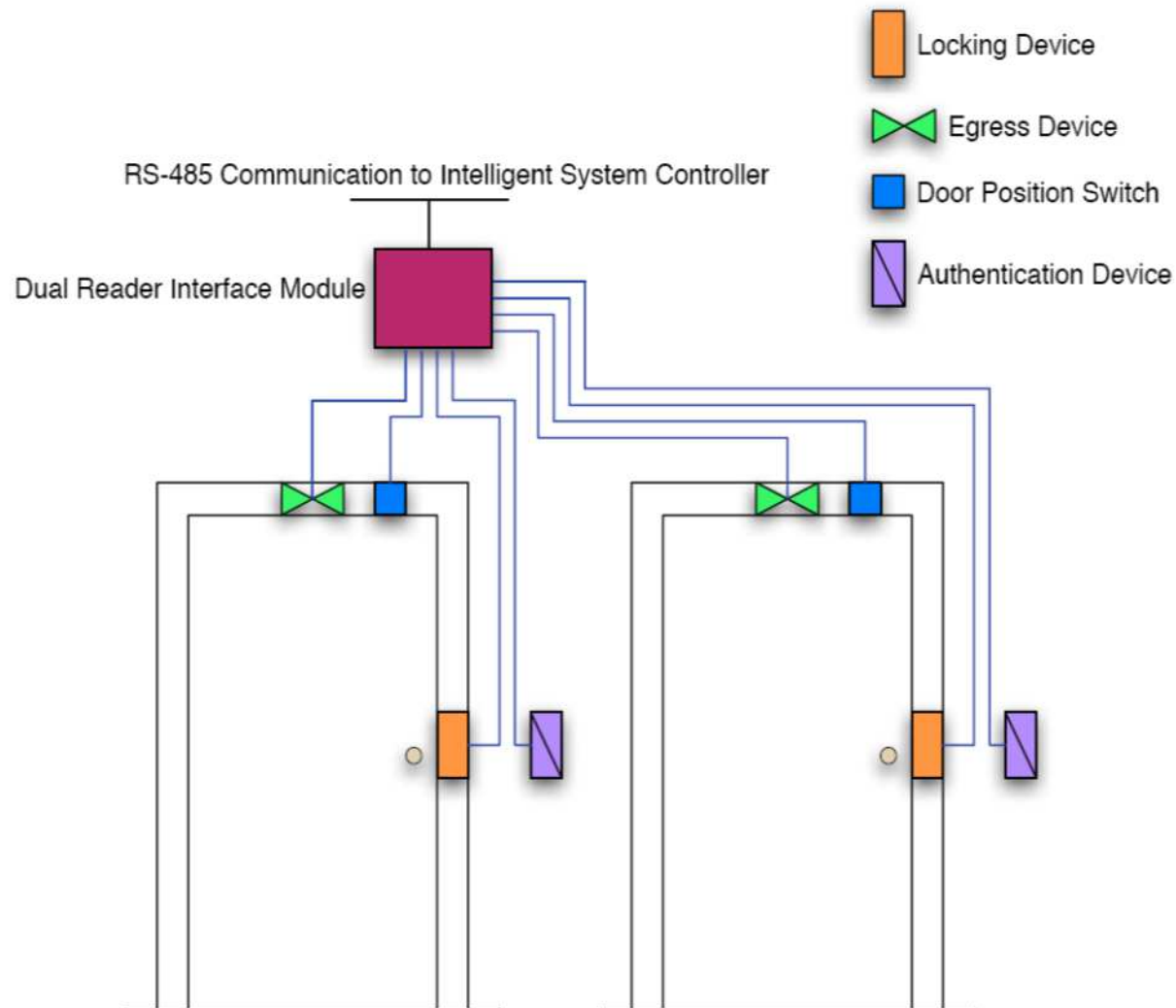


Access Control Hardware Layout



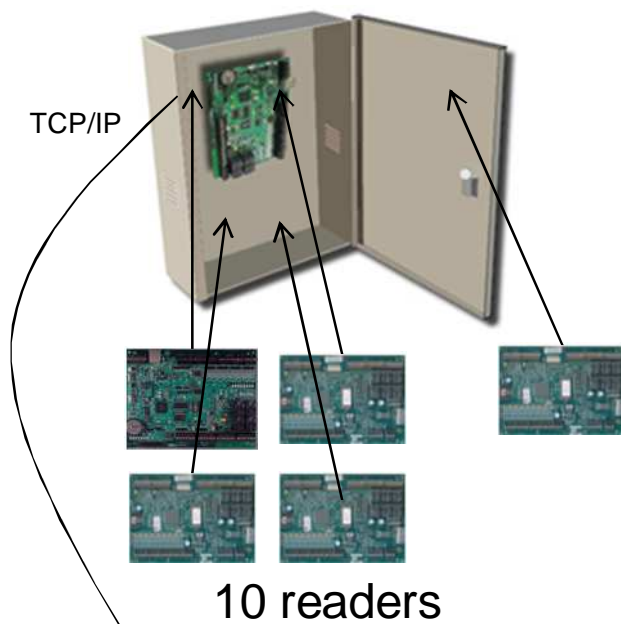
2 Rdr – LNL-1320

Typical Generic Access Control Door Layout LNL-1320 Dual Reader Interface Module

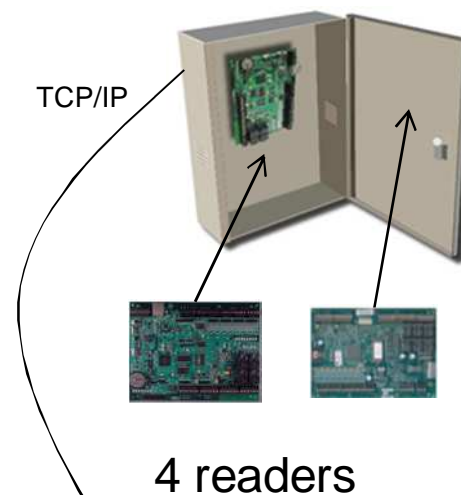


Building Layout

LNL-AL600ULX-4CB6
Fits 6 Boards



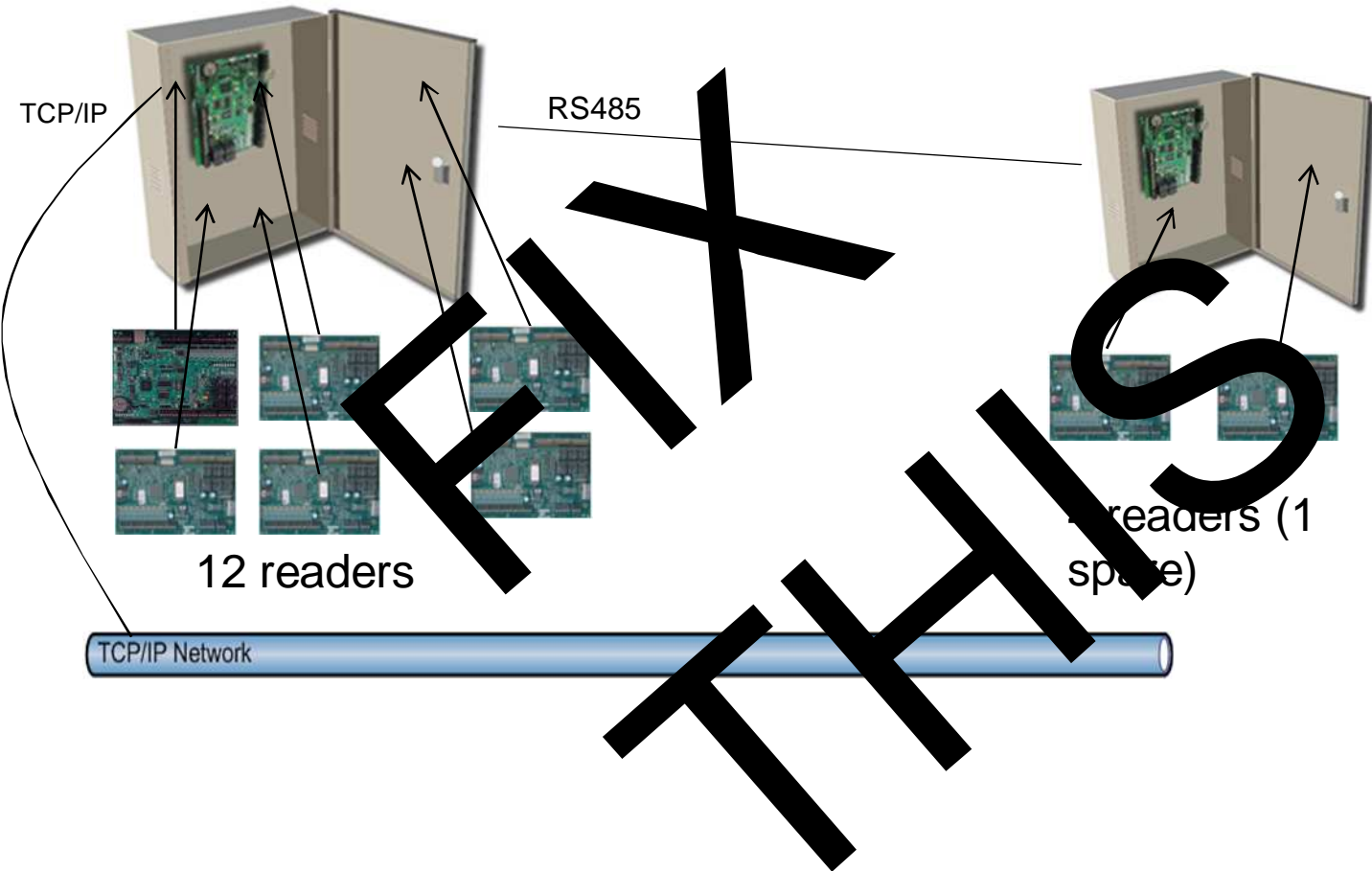
LNL-AL400ULX
Fits 2 Boards



Building 1 – 16 readers – use 16 rdr kit

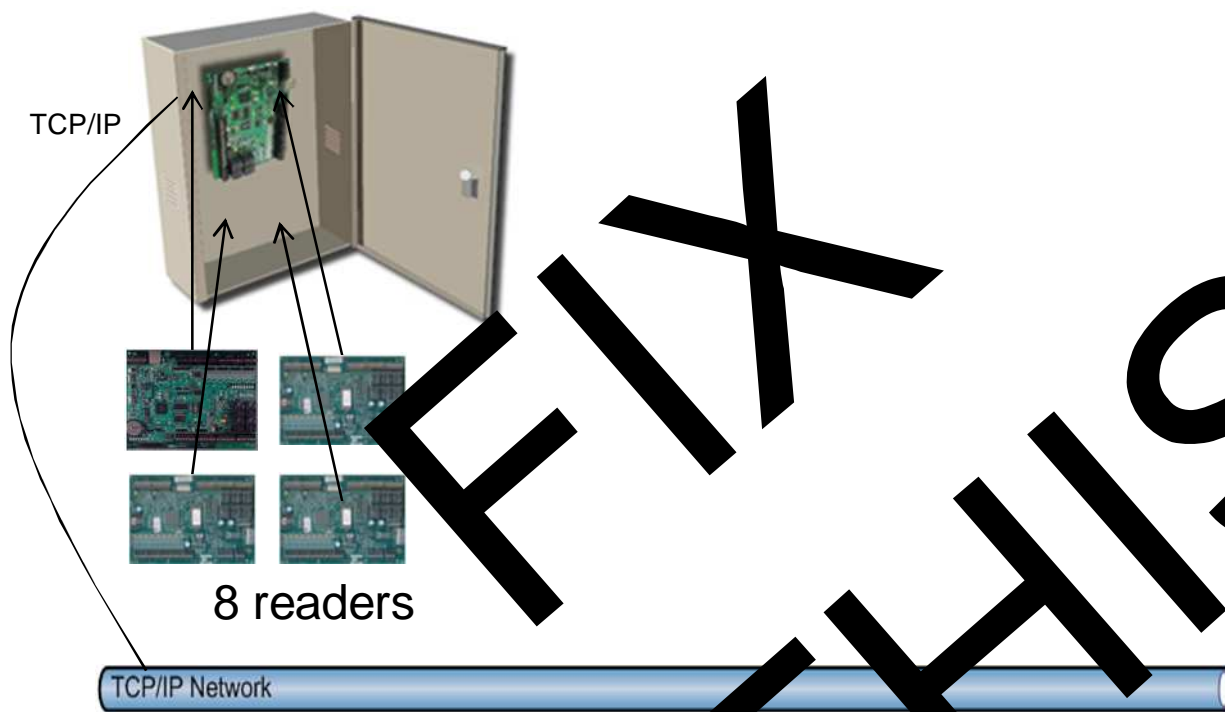
LNL-AL600ULX-4CB6
Fits 6 Boards

LNL-CTX
Fits 2 Boards



Building 2 – 8 rdrs

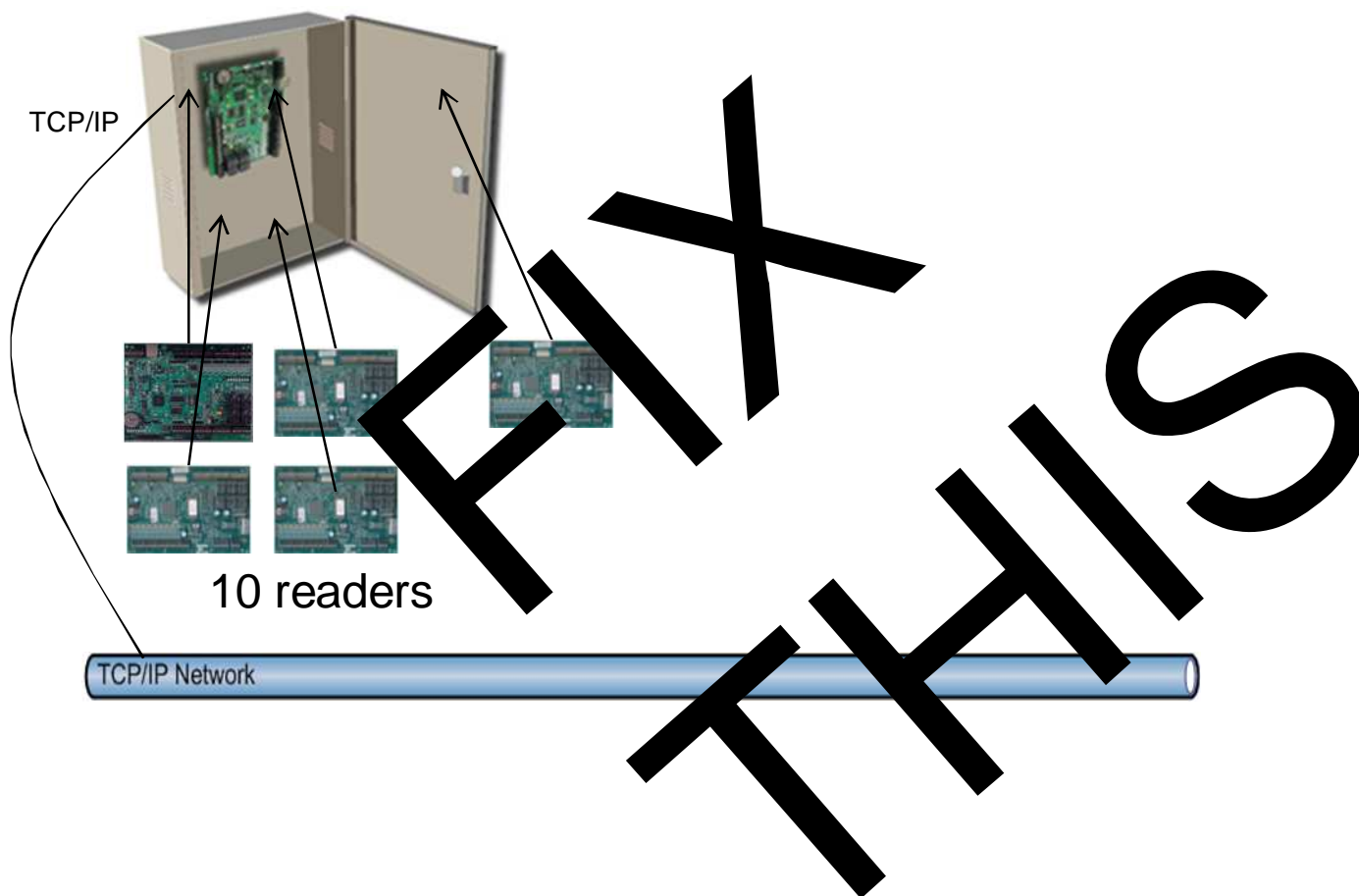
LNL-AL600ULX-4CB6
Fits 6 Boards



FIX THIS

Building 3 – 10 rdrs

LNL-AL600ULX-4CB6
Fits 6 Boards

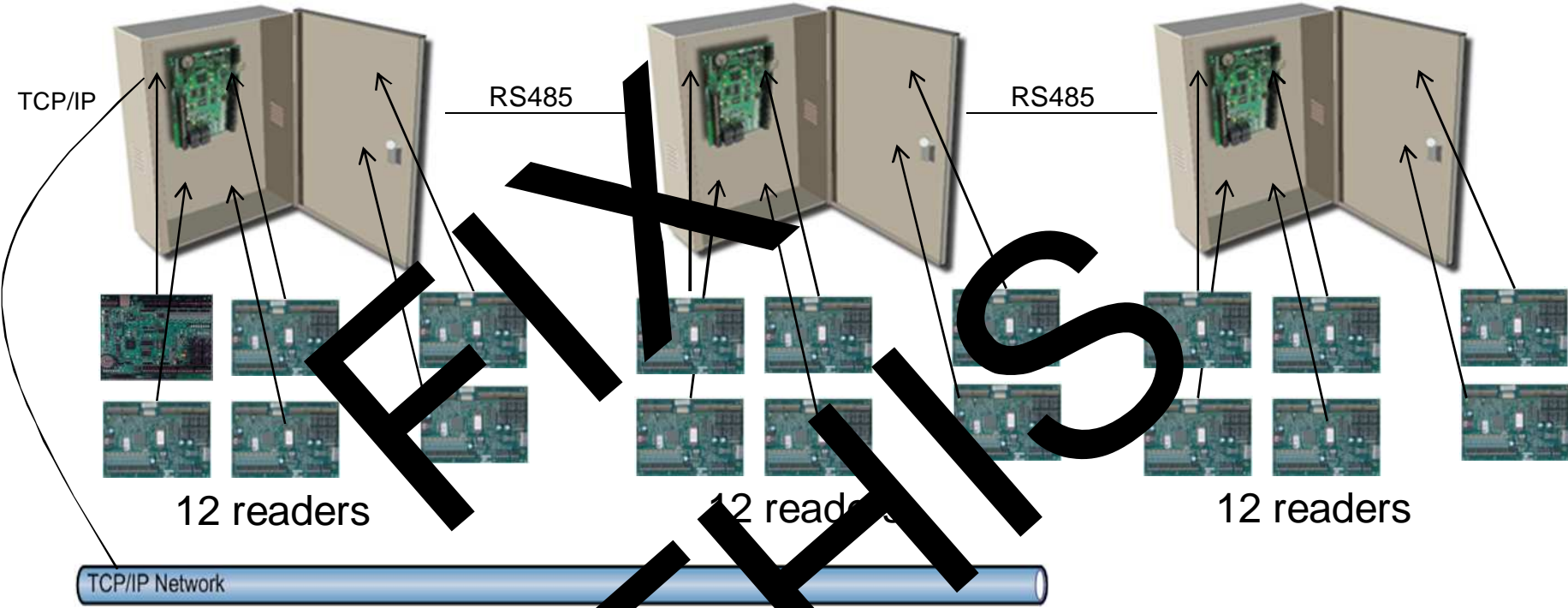


Building Layout

LNL-AL600ULX-4CB6
Fits 6 Boards

LNL-AL600ULX-4CB6
Fits 6 Boards

LNL-AL600ULX-4CB6
Fits 6 Boards



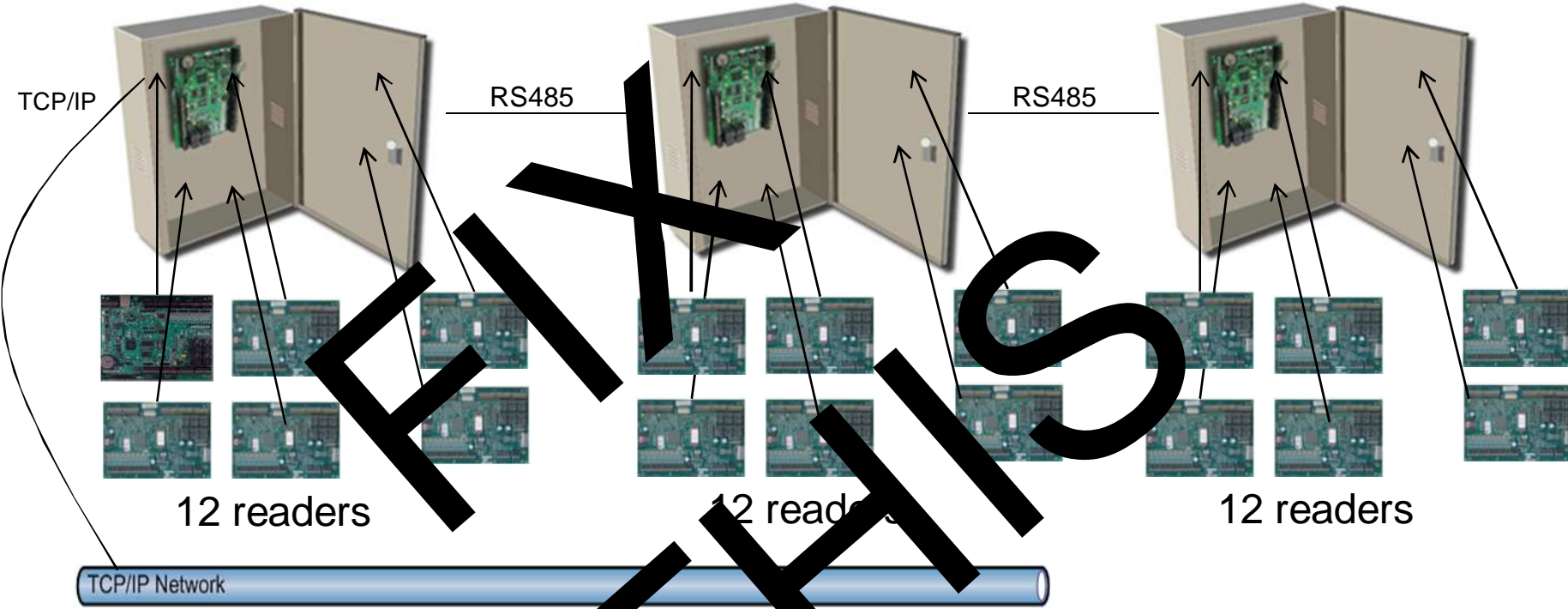
36 readers and 1 controller

Building Layout

LNL-AL600ULX-4CB6
Fits 6 Boards

LNL-CTX-6
Fits 6 Boards

LNL-CTX-6
Fits 6 Boards



36 readers and 1 controller

Chapter 3: Card Readers/Cards/Card Printers and others

1. Lenel Branded Readers/Cards	
1.1 Lenel “OpenCard plus OpenProx” Readers & Cards	- 63 -
1.2 Lenel MIFARE Smart Cards	- 64 -
1.3 Lenel Proximity Cards and Readers	- 64 -
1.4 Lenel Magnetic Card Readers & Accessories	- 65 -
1.5 Lenel Indestructible Keypads & Accessories	- 66 -
1.6 LenelProx Card Readers & Accessories	- 67 -
2. ILS & Onity Locks	
2.1 Lenel ILS Locks & Accessories	- 69 -
2.2 Onity Integra Locks	- 73 -
3. HID Products	
3.1 HID SmartID & MIFARE Products	- 74 -
3.2 HID Proximity Readers & Cards	- 76 -
3.3 HID iClass Products (Readers/Cards/Multi-Technologies)	- 78 -
3.4 Lenel/HID EDGE Products	- 83 -
4. Standalone Smart Card Encoders & RFIDEas Enrollment Devices	- 84 -
5. Indala Products	
5.1 Indala Readers & Cards	- 85 -

Card Readers/Cards/Card printers



6. Schlage	
6.1 Schlage Wireless Products	- 87 -
6.2 Schlage Recognition Systems Hand Geometry Readers	- 89 -
6.3 Schlage Scramble Keypads	- 91 -
7. L-1 Identity Solutions (Bioscrypt) Fingerprint Readers/Writer	- 92 -
8. Iris ID Products (Iris Recognition)	- 93 -
9. Desktop Smart Card Readers	
9.1 Desktop Smart Card Readers	- 95 -
9.2 OpenCapture Desktop Fingerprint Readers	- 95 -
9.3 Image Capture Options	- 95 -
9.4 Signature Capture Kits	- 95 -
9.5 Card Scanning Solutions	- 95 -
10. Direct Card Printers	
10.1 Fargo Direct Card Printers	- 96 -
10.2 Ultra Magicard Printers	- 97 -
10.3 Nisca Direct Card Printers	- 98 -
10.4 Zebra Direct Card Printers	- 99 -
10.5 Direct Card Printer Badging Accessories	- 102 -

ILS

- + No Reader Licensing
- + One WAP per 32 locks
- + Monitoring key override

Asssa Abloy

- + WIFI support
- + Cabinet Locks

Schlage

- + Extensive readers options including PIV
- + Lockdown Capability



OnGuard System	Base Online Readers Support	Max Lenel ILS Locks Support
ES	32	128
ADV	128	1024
PRO	256	Unlimited
Enterprise	Unlimited	Unlimited

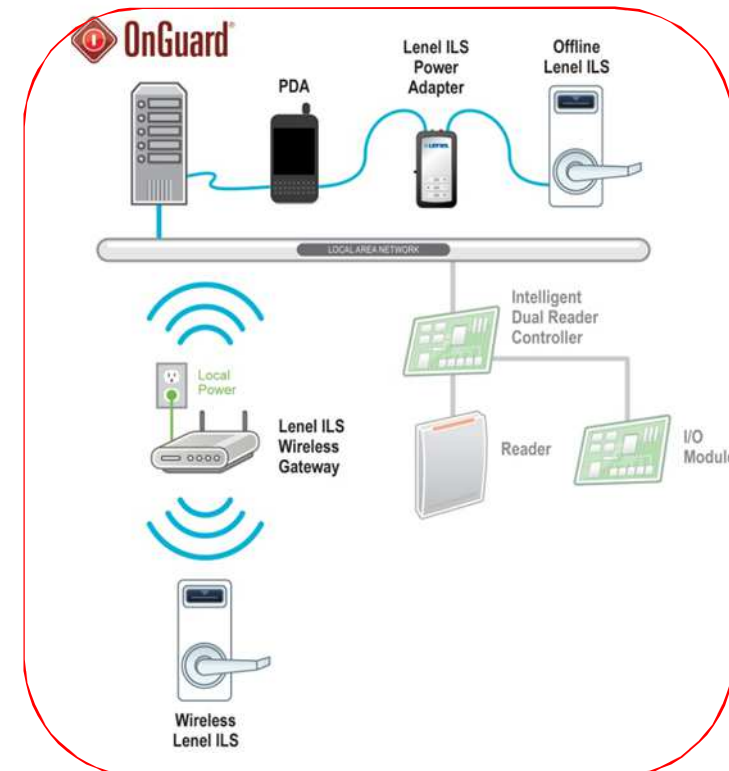
System Components

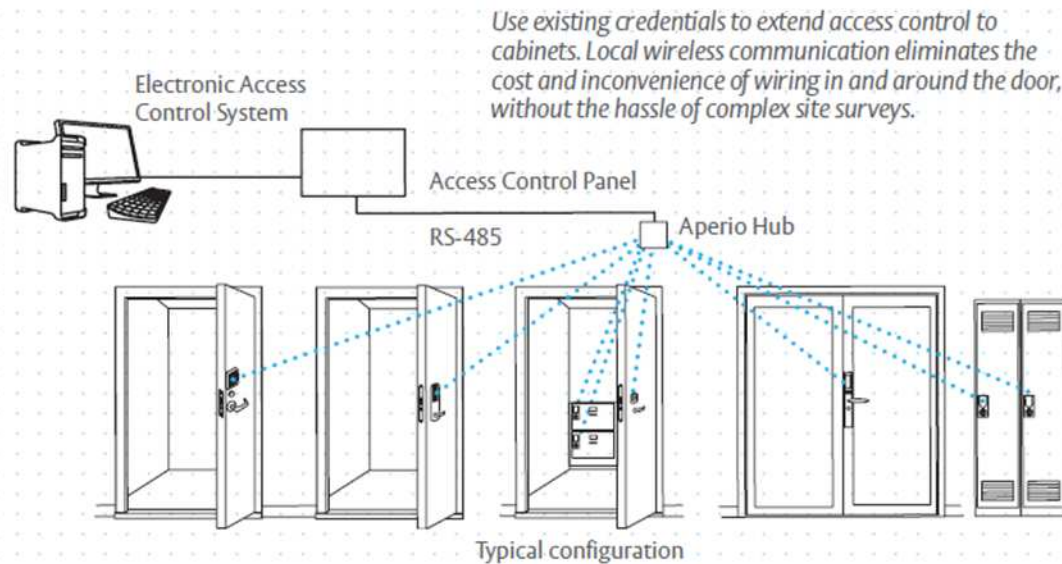
OnGuard 2010 or later

- Lenel ILS Wireless Lock (if applicable)
- Lenel ILS Wireless Gateway
 - Wired 10/100 Ethernet
 - Wireless 802.11g
- Lenel ILS Offline Lock (if applicable)
- Lenel ILS Mobile Configurator (PDA)
- Lenel ILS PDA Adapter

Additional components

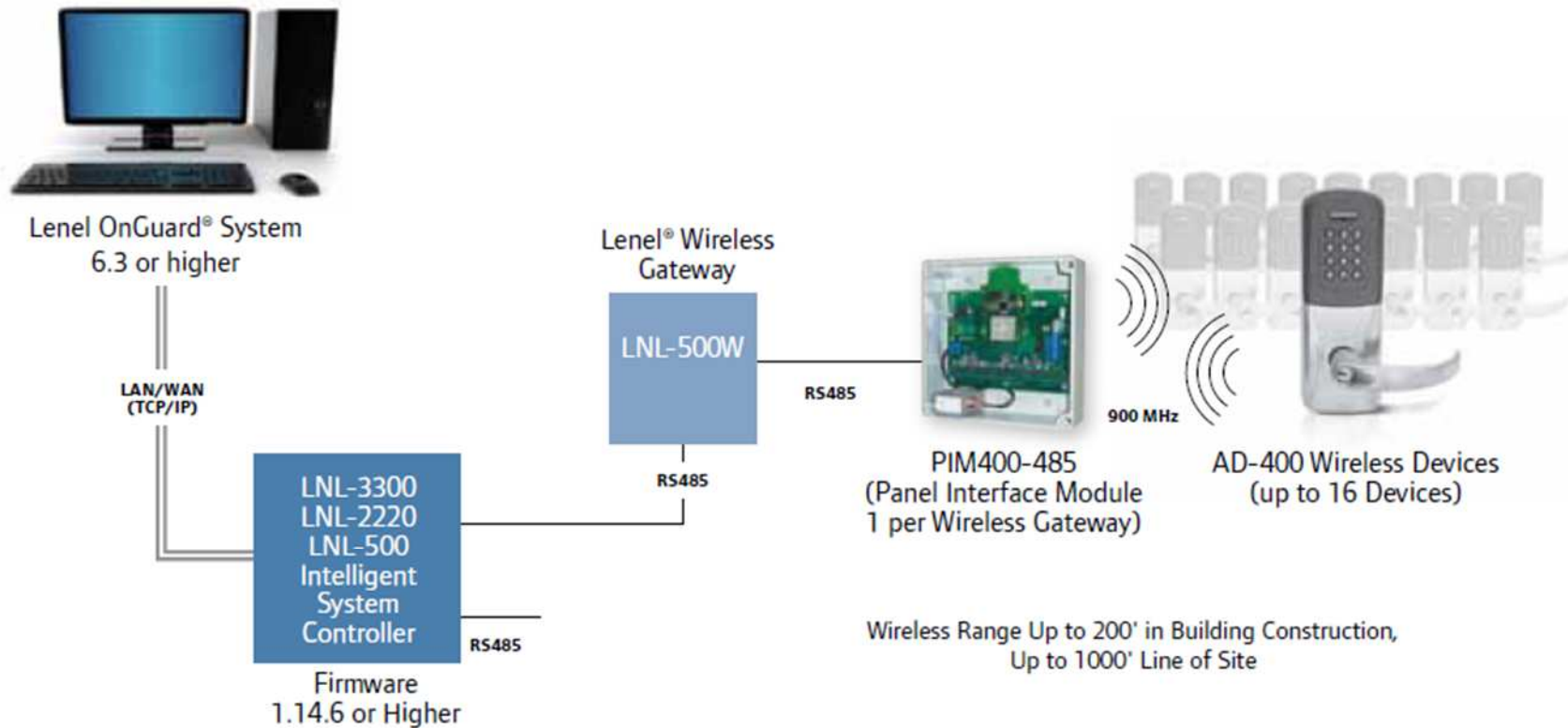
- Wireless Upgrade Kit – Converts Offline Lock to a Wireless
- Reader modules – Used to change reader technologies of both Lenel ILS Wireless and Offline lock
 - Magnetic Stripe
 - Proximity (125 KHz)
 - Smart Card (13.56 MHz)





- WiFi Enabled – No wiring required
- Utilizes off the shelf 802.11b/g Access Points
- "Near On-Line" centralized lock management
- Battery powered
- Easy Installation - Retrofits existing mechanical or stand alone devices
- Hard wire option for lockdown capabilities
- Real time alarm reporting





AD-Series Credential Reader Compatibility:

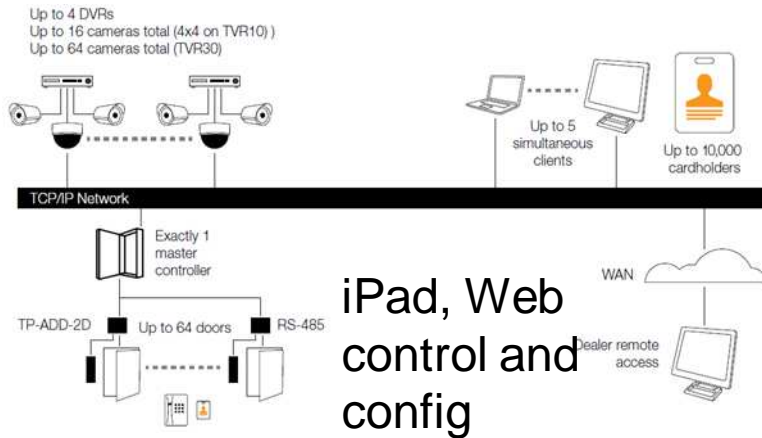


• Handheld Device (HHD)
Used to initialize, configure, and test AD-Series Devices

Interlogix Offerings

Interlogix Products

TruPortal Access Control



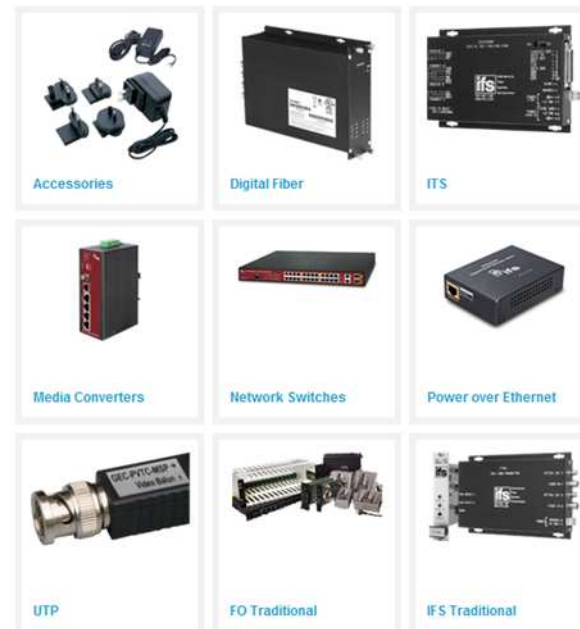
Video



Intrusion and Sensors



Transmission



Web based admin Tools

Support



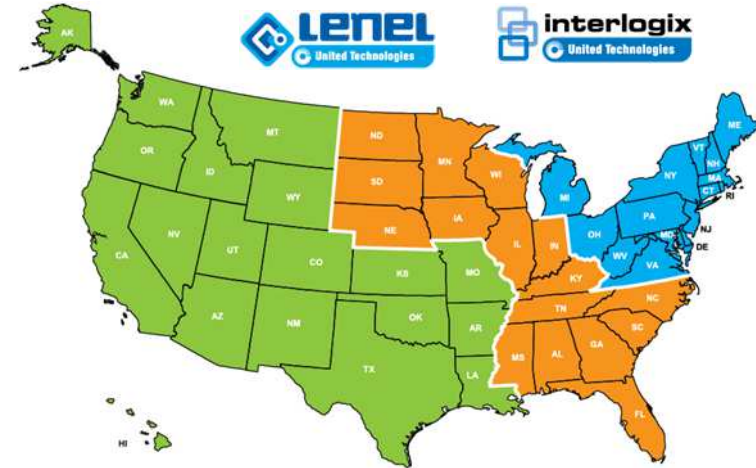
US Sales Regions

Outside Sales
(Regional Sales
Managers or RSM's)

Field Sales Engineers
(FSE's)

Business
Development
Managers (BDM's)

OnGuard Inside Sales –
OnGuard, SkyPoint,
Prism, Lenel Video,
Access Hardware
T 585-248-9720, option
5 for inside sales
E insidesales@lenel.com



Grant Copple
**RVP Sales Western
Region**
M: (817) 233-0176
E: grant.copple@interlogix.com

Wayne Firestone
**RVP Sales Central
Region**
M: (561) 504-2644
E: wayne.firestone@lenel.com

Ken Nelson
**RVP Sales Eastern
Region**
T: (856) 677-8776
M: (856) 981-4671
E: ken.nelson@interlogix.com

Chuck O'Leary
RSD Enterprise
M: (425) 748-4553
E: chuck.o'leary@lenel.com

Brian Helt
RSD Distributor/Dealer
M: (913) 375-5947
E: brian.helt@interlogix.com

John Bohr
RSD Enterprise
M: (612) 867-9290
E: john.bohr@lenel.com

David Busco
RSD Video
T: (630) 385-2419
M: (773) 597-5165
E: david.busco@interlogix.com

Roy Anderson
RSD Enterprise
M: (703) 628-2810
E: roy.anderson@lenel.com

Rich Huttick
RSD Video
T: (215) 870-9485
M: (215) 622-5174
E: rich.huttick@interlogix.com

J Frank Crabb
RSD Video
T: (501) 315-0330
M: (501) 317-0330
E: jfrank.crabb@interlogix.com

Gary Wood
RSD Distributor/Dealer
T: (770) 479-4627
M: (770) 335-1861
E: gary.wood@interlogix.com

Jim Porter
RSD Distributor/Dealer
T: (410) 586-8801
M: (443) 257-9759
E: james.e.porter@interlogix.com

- + **Upgrades - Call or email Inside Sales**
- + **Quote Requests – Send email to insidesales@lenel.com**
- + **SUSP Renewals – send email to supportquotes@lenel.com**
- + **SUSP Inquiries – Send email to supportinquiries@lenel.com**
- + **Dongle ID = Flexnet key = Unique System Identifier**
- + **What's my customer's dongle ID? -- Help>about>system info**
- + **www.lenel.com**
 - Downloads
 - Partner Center
- + **Documents:**
 - Price Books (PDF and EXCEL)
 - Server and Client Configs (PDF)
 - Support Maps (PDF)
 - This presentation (PDF)
 - OG Matrix (PDF)