



### Overview

Both Wireless and Offline Lenel ILS locks are purpose-built with OnGuard integration in mind. Lenel ILS extends your security system's reach by bringing traditional online access control functionality to electromechanical locks. The system's design enables multiple configuration options to match your needs; reader type, wireless connectivity, multiple handles, finishes, and chassis type are all user selectable options engineered to meet your requirements.

**Same credential, new lock.** Regardless of the card technology used within your facility, Lenel ILS was developed with a choice of reader technologies to fit into your current business model. Reader technologies include:

- Magnetic stripe (Track 3)
- Proximity (125 KHz)
- Smart Card (13.56 MHz)

**Wireless your way.** Lenel ILS provides the option of upgrading to wireless communications for your lock. Specify wireless initially, or upgrade by adding a radio transmitter when the needs arise. The lock receives all critical commands from the Lenel ILS Wireless Gateway.

**Simplified Key Management.** Integration with the OnGuard solution allows users to manage all access control functions from a single application and now with Lenel ILS locks, eliminates the need for traditional lock and key.

### ILS Lock Specifications

Modulation	900 MHz
Frequency Range	902-928 MHz
Transmission/Encryption	AES-128 bit
Credential Verification Time	Less than one second
Number of cardholders	5,000
Event transaction history (audit trail)	1,000 events
Communication Range	Up to 100 feet with obstructions, up to 300 feet clear line of site
RF Interference Avoidance	Configurable dynamic channel switching
Data Rate	RF: 40 kbps
Visual/Audible Communications	Green and Red colored LEDs. Audible indicators
Power Source	Three AA, 1.5VH alkaline batteries
Battery Life	Two to three years with magnetic stripe reader* Two years with proximity & smart card reader*
Operating Temperature	-35 C to + 75 C
Operating Humidity	0 - 100%
Certifications	Locks: FCC part 15, RoHS, CE, UL10C, IP46 iCLASS and 125KHz reader, IP23 MAG readers, Ontario Fire Code (AFC) 3.3.4.5, American with Disabilities compliant,
Accessories	Lenel ILS Mobile Configurator, Lenel ILS power adapter, Lenel ILS Wireless Gateway
Exterior Application	iCLASS and Prox reader with secure side to exterior only



**Choose now, or choose later.** When you install a Lenel ILS lock, users have the ability to initially choose now - or upgrade when your business demands it. Simply change from one reader type to another, or easily add a radio module and change from an offline to wireless solution. Simply remove the old reader, insert the new reader and your system has been upgraded. Adding wireless connectivity is as easy. Simply remove the protective cover and add a wireless antenna. Plug, play, and join the network!

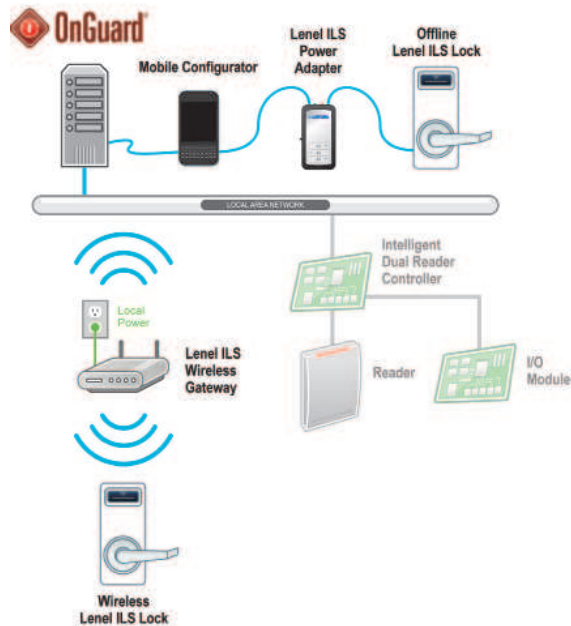
Lenel ILS lock provides security for locations within your facility that were once cost prohibitive or difficult to address - all with the comfort of knowing they are being managed and monitored through the world's number one access control solution - OnGuard.

**An Intelligent Solution.** Unlike other solutions available, Lenel ILS offers decision making at the lock. Because it employs stand alone power and an intelligent on-board internal database, the system allows facilities to continue operation and secure rooms - for up to 5,000 cardholders. ILS continues to operate, grant or deny access, and perform even when power and/or network connectivity are lost.

\* based on 5 minute heartbeat interval and 40,000 lock cycles/year

# Intelligent Lock

ILS System Configurations (offline and wireless illustrated)



**Secure and Reliable.** Communication for all wireless Lenel ILS locks is accomplished via the Lenel Wireless Gateway. AES 128 bit encryption over 900 MHz band offers secure transmission of system parameters and cardholder data.

**Portable Communications.** Whichever lock you choose utilizes a Mobile Configuration device with Lenel ILS application for initial lock set up. The Mobile Configurator is used to port data from the OnGuard system to the lock. Once configured, Lenel ILS wireless locks receive and send all subsequent updates through the associated Lenel ILS Wireless Gateway.

**One lock, flexible modes.** Lenel ILS support a number of operation modes, based on the use and preference of the user

**Standard.** Lock is set to be opened with card only

**Office.** The lock is unlocked

**Office First.** First valid card presented unlocks the lock for a set duration

**Blocked.** A lock remains locked until presented with a badge with overriding privileges

**Emergency Lock.** Lock remains locked until it transitions to new mode or presented with emergency lock card

**Emergency Unlock.** Lock remains unlocked until it transitions to new mode or presented with emergency unlock card

**Facility/Foyer.** Lock is opened by a card with a valid facility code, authorization level, and card

## ILS MECHANICAL SPECIFICATIONS

Chassis	Cylindrical	Mortise
<b>ANSI Standard</b>	Meets or exceeds A156.13, Grade 1 strength and operational requirements	Meets or exceeds A156.25, Grade 1 operational and security
<b>Door Thickness</b>	1-3/4" standard, 1-3/8" to 2-3/4" optional (available in 1/8" increments)	
<b>Back set</b>	2-3/4" standard, 2-3/8", 3-3/4" and 5" optional	2-3/4" only
<b>Latch Bolt</b>	1/2" throw security latch standard 3/4" throw optional	3/4" throw security latch standard 1" throw dead bolt on Mortise optional
<b>Levers</b>	Pressure cast zinc, plated to match finish	Steel, plated to match finish
<b>Strike</b>	ANSI curved lip strike 1-1/4" x 4-7/8" x 1-3/16" lip to center standard, optional strikes, lip lengths and ANSI strike box available	ANSI curved lip strike 1-1/4" x 4-7/8" x 1-3/16" lip to center with dust box standard, optional lip lengths available
<b>Key Override</b>	Available in SFIC (small format IC Core 6 or 7 pin) or C-Keyway (6 pin)	

## ILS READER SPECIFICATIONS

Reader Technologies	Magnetic Stripe	Smart Card	Proximity
<b>Frequency or Track</b>	Track 3	13.56 MHz	125 KHz
<b>Standards</b>	ABA, ISO 76	ISO 15693, ISO 14443	
<b>Maximum Read Range</b>	Not applicable	Up to .75"	
<b>Compatibility (secure sector)</b>	High coercivity magnetic stripe cards	Lenel iCLASS (programmable format), HID iCLASS	Not Applicable
<b>Compatibility (serial number only)</b>	Onity format only	ISO 15693, ISO 14443A, HID iCLASS, Lenel iCLASS	HID Prox, HID Corporate 1000, AWID/Lenel Prox, others
<b>Certifications</b>	FCC, Canadian FCC		



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# Intelligent Lock

Sample Lock Part Number: **C 4 A 6 G F X X C L O**

C	4	A	6	G	F	X	X	C	L	O
Lock Grade	Lock Platform	Reader Type	Firmware	Handle	Mechanical Lock Body	Thumb turn or Back set	Mechanical Key	Finish	Lock Handing	Wireless Type
<p><b>Lock Grade</b>  <b>C - Commercial</b>                      Value is fixed</p> <p><b>Lock Platform</b>  <b>4 - Advanced</b>                      Value is fixed</p> <p><b>Reader Type</b>  <b>W - Magnetic Stripe Reader</b>  <b>A - Smart Card Reader</b>  <b>P - Proximity Reader</b></p> <p>* Standard items indicated in <b>bold</b>                      ** Key cores not provided</p>	<p><b>Firmware</b>  <b>6 - Value is fixed</b></p> <p><b>Handle</b>  <b>G - Granada</b>  <b>M - Toledo</b>  <b>W - Wing</b></p> <p><b>Mechanical Lock Body</b>  <b>F - ANSI (Mortise Pocket)</b>  <b>L - BLA (Cylindrical)</b></p>	<p><b>Thumb turn or Back set</b>                      Applies only to ANSI:  <b>N - No thumb turn, no deadbolt</b>  <b>X - Thumb turn with deadbolt</b>                      Applies only to BLA:  <b>1. 2-3/4" back set, 1-3/4" door thickness</b>  <b>2. 2-3/4" back set, 1-3/8" door thickness</b>  <b>3. 2-3/8" back set, 1-3/4" door thickness</b>  <b>4. 2-3/8" back set, 1-3/8" door thickness</b></p> <p><b>Mechanical Key</b>  <b>X - No Key Override</b>  <b>C - C Keyway Key Override</b>  <b>S - SFIC Key Override</b></p>	<p><b>Finish</b>  <b>C - 626, Satin Chrome</b>  <b>P - 605 Bright Brass</b>  <b>M - 606 Satin Brass</b>  <b>A - 609 Antique Brass</b></p> <p><b>Lock Handing</b>  <b>L - Left Handed</b>  <b>R - Right Handed</b></p> <p><b>note:</b> Handing only applies to ANSI locks</p> <p><b>Wireless Type</b>  <b>0 - No Wireless (offline)</b>  <b>9 - 900 MHz</b></p>							

## Finishes

Compliment your ILS lock with any of our wear resistant finishes. Additional finishes are available by special order.



## Handles

Choose the perfect handle to reflect the design of your customer's facility. Other handles are available through special order.

## Cover Plates

Lenel offers a selection of attractive cover plates that are ideal for retrofit projects. Customizable cover plates designs can also be developed upon request.



## ILS Latching Mechanisms



### ANSI Dead bolt

- BHMA certified
- A156.25 Grade 1 standards
- UL approved
- Tested 1,000,000 cycles
- Anti Pick latch
- 1" security dead bolt
- Left or right handled
- 70mm back set
- Panic function

### ANSI

- A156.13 Grade 1 standards
- UL approved
- Tested 1,000,000 cycles
- Anti Pick latch
- Left or right handled
- 70mm back set
- Panic function

### BLA

- UL approved
- Tested 500,000 cycles
- Anti Pick latch
- Left or right handled
- 70mm back set (standard)
- Panic function