

E-Plex[®] 7900

Integrated RFID Electronic Lock



Next generation E-Plex electronic wireless locks

With a streamlined design, this heavy duty electronic lockset is built for performance. The most versatile E-Plex model to date, it functions in standalone or wireless modes for cylindrical, mortise and exit device applications. The E-Plex 7900 when used with Keyscan Aurora or LUNA software, offers the same trusted function and reliability customers have come to love with other E-Plex product offerings.

With variable models each designed to function with a designated list of credential types, E-Plex 7900 can be trusted in many access control environments.

iClass Legacy (Public Key)

- HID 13.56 MHz iClass Classic
- HID Corporate 1000 (35, 48 bit)
- Keyscan 36-bit
- Open format 26-bit
- HID 37-bit (H10304)
- MiFare Classic (CSN Only)

iClass SEOS (Public Key)

- HID 13.56 MHz iClass SEOS
- HID Corporate 1000 (35, 48 bit)
- Keyscan 36-bit
- Open format 26-bit
- HID 37-bit (H10304)

iClass SE & Legacy* (Keyscan Elite Key)

- HID 13.56 MHz iClass Legacy,
- SR and SE with Keyscan Elite Key
- Keyscan 36-bit

Proximity (125kHz)

- Keyscan 36-bit format
- HID Corporate 1000 (35, 48-bit)
- HID 26 bit

Mifare with BLE (13.56 MHz)

- Keyscan K-SECURE 1K/4K (36-Bit)
- Keyscan Mobile Credentials (36-Bit)
- MiFare Classic (CSN Only)

E-Plex 7900 added benefits

Integrated wireless access control

- Functions in wireless mode with Keyscan Aurora V 1.0.15.0 (later)
- Functions in offline mode with Keyscan LUNA V2.0 or Aurora V1.0.22.0 (or later)
- Can be utilized in conjunction with E-Plex 7900 as well as E-Plex 3x00 Series and E-Plex 5x00 series electronic wireless locks.
- Compatible with most credential technologies, including Keyscan BLE mobile credentials

Streamlined design

- Less projection from door
- Integrated RFID reader
- Integrated wireless antenna

More secure

- Batteries and wireless antenna on the secure side of the door
- Offers door monitoring capabilities

Easier to see visual indicators

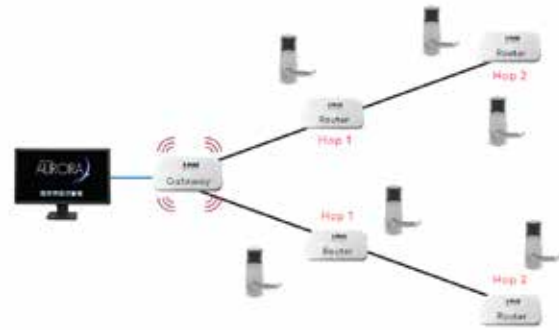
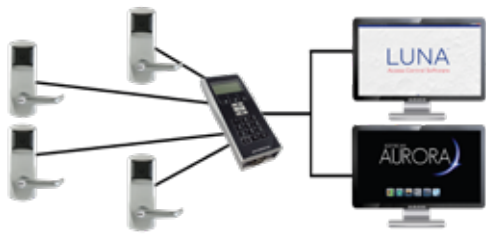
- Top mounted LED indicators

A cost effective wireless lock solution

The E-Plex 7900 wireless model integrates with Keyscan Aurora software using a ZigBee wireless network, which creates a two-way communication from lock to Aurora software. This allows installation of up to 25 locks per gateway and 2 router hops to a maximum of 100 E-Plex 7900 wireless locks per gateway on any system running Keyscan Aurora version 1.0.15 or later. E-Plex 7900 also function on networks utilizing other E-Plex wireless lock models using the same credentials.

Each lock can be offline programmed with the same data from Keyscan Aurora OR LUNA software. The data is then uploaded to each lock using a handheld M-Unit. (NOTE: this requires LUNA 2.0 or Aurora version 1.0.22 or later).

Typical E-Plex 7900 offline or wireless application



Offline / Standalone

- Program each lock directly
- Data and permissions are transferred from
- Keyscan Aurora or LUNA software and uploaded to each lock using M-Unit handheld

Integrated Wireless Network

- Up to 100 gateways per network
- Up to 100 devices (locks/ routers) per gateway
- Up to 8 routers per gateway
- Locks can be up to 2-hops from gateway

Specifications

Description	Heavy duty, electronic lockset with clutch mechanism and built-in contactless RFID reader.						
Handing	Cylindrical lock is dual handed. Field reversible levers.						
Levers (inside & outside)	ADA compliant, outside lever free to rotate upward and downward in locked mode. Lever clearance (space from end of lever to door): Long Lever: 3/8" (9.5mm lever clearance)						
Key Override	Ilco KIL cylinder, keyed different. Best (SFIC) and equivalents (core not included).						
Latch	1/2" (13 mm) Deadlatch						
Door Thickness	From 1 3/8" to 2 1/2" (35mm to 66mm).						
Shipping Weight	8.5 lbs (3.8 kg)						
Housing Construction	Cast zinc alloy (outside housing, levers, and thumbturn), stainless steel inside housing.						
Finishes (Actual finish may vary)	Satin chrome	Bright Chrome	Satin Brass	Bright Brass	Dk Bronze	Satin Nickel	Ult. Satin Chrome
Standard Backset	2 3/4" (70mm) backset						
Locking options	Cyl, 2 3/4" or 2 3/8" Backset, 1/2" Bolt; Cyl, 2 3/4" Backset, 3/4" bolt Mor, 1 1/4" Faceplate (FP), Utility, w or w-o deadbolt; Mor, 1" FP, LH or RH no deadbolt; Mor, *1" FP, LH or RH w/deadbolt; For Exit trim options refer to E-Plex Exit Trim in Electronic Lock Price Book (KAA1211)						
Batteries	Alkaline batteries (4 AA). Low battery indicator in software and on lock. Battery life up to 1.5 years* based on estimated usage.						
Programming & Audit Trail	Lock memory stores 30,000 audits, max 10,000 users, wireless locks using Aurora software stream lock transactions in real time with on-line programming. Stand-alone lock programming and audit retrieval requires M-Unit (MUNIT-51-114).						
Programming command card	Command card set matching card technology of lock ordered is required to be purchased separately to program all locks with that same card technology (not included with lock).						
Accessibility Standard/Certification	ADA compliant, BHMA/ANSI Grade 1, Florida Windstorm (mortise), UL10/UL10C, ULC S104, FCC Part 15 Class C and CE directive 2014/53/EU and industry Canada compliant.						
Operating Conditions	-31°F to 149°F (-35°C to 65°C) 0% to 85% non-condensing humidity at 86°F (30°C).						

*Battery life based on proximity reader at 10 door openings per day. Lower battery life expected with 13.56MHz smart card readers and BLE readers. Battery life may vary based on environmental conditions and other factors.

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