

# Trilogy Networkx: Advanced wireless networking locks with iClass HID Reader Built In



Now with HID iClass® Prox Reader, Trilogy Networkx™ Locks communicate wirelessly over any size network eliminating door-to-door operations

## PDL7100 iClass® Prox/PIN lock

Trilogy Networkx Locks eliminate door-to-door programming and audit trail retrieval by communicating wirelessly via Ethernet or 802.11B/G, while providing all original Trilogy standalone lock's functionality. Plus, the new PDL7100 Series features a built in HID iClass Reader, to accept 13.56MHz Smart Cards, including smart chip for transactional info, ideal for campuses and universities seeking a one-card solution. These powerful Networkx locks also provide a quick, easy, economical access system with advanced features & functions, like automatic schedules, event logs and support for 2000 doors and 5000 existing iClass Prox. ID Cards/Badges, but with no wires to run, and no access panels or power supplies to buy or install. At its simplest, it's one Grade 1 durable wireless lock per door, installed in about an hour, all communicating to a single Gateway (each gateway controls up to 63 locks), networked to any non-dedicated Windows-based PC. In addition to Wireless Trilogy Networkx' unsurpassed battery-life, exceeding 5 years, they feature new network-wide capabilities, executed from any lock or the network's PC, including emergency priority global lockdown or unlock deployed in seconds, and you can activate (non-priority) system-wide free-passage or locking modes from the PC. For existing Trilogy installations, original standalone and new Trilogy Networkx locks can seamlessly share one common database hosted on free Alarm Lock DL-WINDOWS software. †

- Locks support up to 5000 iClass HID card users and/or 3-6 digit numeric PIN codes
- Tap & Add ID Card Enrollment right at lock (individually or batch) or via PC †
- Trilogy Networkx Locks communicate wirelessly via Ethernet or 802.11B/G for a comprehensive wireless networked door access control system, eliminating door-to-door programming and audit trail retrieval and providing all standalone Trilogy lock functionality **plus** network-wide global emergency lockdown/unlock commands
- **Unsurpassed 5-year+ battery life, typical**, using 4 C-cell batteries (supplied)\*\*. (Automatic battery status reports at the PC; visual and audible low-battery status indicators at lock(s).
- Trilogy Networkx and gateway modules have an **integral transceiver for highly-efficient 900MHz bidirectional communications**, for longer range and less interference than with more common 2.4GHz spread spectrum devices. Alarm Lock devices require NO wiring; NO splitters or repeaters; NO hardwiring to the host/server; NO extra power supplies; and NO access controller/panels.
- **In 10 seconds, activate emergency global lockdown/unlock from the Networkx PC or any Networkx lock activated from any lock, with or without the PC online by any authorized user with global permissions** (If desired, locks may be selectively programmed to be excluded from emergency global functions, i.e., they will ignore the lock/unlock command.)
- **System-wide free-passage enable or disable**, can likewise be activated from the Networkx PC

- **On demand, in seconds, wirelessly change users, schedules, lock features or retrieve audit trails of up to 35,000 events/lock from any networked PC.** (Note: Transaction processing time is dependent upon system capacity, the more locks/gateways and the more data to be up/downloaded, the longer the time.)
- **Unattended programming updates or event log retrievals can be scheduled** to run automatically, saving manpower and productive time.
- **Seamless upgrade path for original Trilogy users:** Intermix with existing Trilogy standalone lock installations and share one database and familiar Trilogy lock and software functions: Trilogy Wireless Network Locks seamlessly integrate in an existing Alarm Lock Trilogy standalone door access system and share the same single DL-WINDOWS database. Existing Trilogy users can easily add one wireless Network Lock, or as many as two thousand, to an existing system seamlessly with no downtime.
- **Secure 128bit AES PC encryption and proprietary RF-link lock-to-Gateway communication encryption** protects the system from interference or tampering (WEP or WPA compatible with wireless modem).
- **Remote System Management:** VPN-connection /remote capability for accessing the Networkx System and controlling up to all 2000 locks per account, with all the security and peace-of-mind of your IT network. (No special modems required.)
- **Tap & Add ID Card Enrollment right at lock.** Quickly enroll new users by simply tapping their iClass Cards right on face of lock reader; add individually or in batch groups
- **Wireless locks are fully keypad programmable** and can be up and functioning even before their wireless network is configured, so IT departments don't have to coordinate with physical security departments or locksmiths
- **Free Alarm Lock DL-WINDOWS software doesn't require a dedicated computer or a special computer network or costly server software licenses,** it simply runs as a secure Microsoft Windows-based application, on any computer system (as basic as a desktop or laptop PC), a wired or wireless router, and a gateway module or on a internal LAN with static IP address (recommended). MS XP and Vista supported. †
- **Minimizing hardware & installation costs, a single gateway module can be placed anywhere on any size network and interface between the PC network and up to 63 Networkx locks.** At its maximum, a Trilogy Networkx system can comprise up to 50 gateways for the networking of up to 2000 locks or access controlled doors per account.
- **Networkx Gateways' wireless coverage performance equals or surpasses that of 802.11,** with each Gateway spanning up to 900' clear field range or 50,000 square feet of indoor coverage, typical\*\*\*.
- **Up to 50 wall- or ceiling-mountable, compact gateway modules can be used per account and are available in wireless/hardwired and wired-only versions** (with Power Over Ethernet (POE) option). The



Up to 2000 locks and a PC communicate wirelessly through bidirectional Gateways – eliminating the need for door-to-door programming and audit trail retrieval.

In seconds, global lockdown or unlock can be implemented from any Trilogy lock, even if the DL-WINDOWS computer is inaccessible or totally offline!

hybrid model connects using either 802.11 or standard Ethernet cable; the wired versions use an RJ-45 Ethernet cable. Networkx communications support both wired Ethernet 10BaseT and wireless 802.11.

- **For the fastest most reliable networked system, in discovery setup mode, the system will locate and DL-WINDOWS will display each lock's signal strength** at each installed gateway, so you can select it and optimize reliable communications and eliminate guesswork.
- **Lock programming, user- and usage-data are stored locally** at the battery-powered lock for uninterrupted door access usage in a power outage or server offline situation.

#### Trilogy Networkx Lock Specifications:

Weatherproof locks for indoor/outdoor use with wide operating temperature range (-31 to 151 degrees F). Industrial strength BHMA Grade 1 durability, built in iClass HID prox reader/enroller and vandal-resistant all-metal keypad for PIN codes. ADA-compliant leversets. Easy-to-install modified ANSI A115 Series door prep; easily/ neatly retrofit standard cylindrical knobsets and mechanical standalone locks, in under an hour. Non-handed. 3 hour UL fire-rated deadlatch. Supports 1-5/8 to 1-7/8" door thickness; 2-3/4" backset (2-3/8" available.) Manual key override standard; most IC cores also supported on interchangeable core models. Choice of architectural finishes and IC core preps (6-7 pin).

#### Ordering Information:

**PDL7100** Cylindrical Trilogy Networkx™ iClass™ Prox. Wireless Access Control Lock with built in 13.56 MHz iClass HID proximity ID card reader /enroller, full-metal digital keypad, integral bi-directional radio, 4-C cell battery-operated (batts. supplied), serial number ID card, standard format SCI keyway for manual key override, 4-7/8" ASA Strike (incldd).

**DL-WINDOWS** Free Alarm Lock Trilogy Microsoft Windows-based software application, supports Trilogy Networkx and Trilogy standalone locks, with single database.

No-charge, downloadable online at [www.alarmlock.com](http://www.alarmlock.com) († Check working instructions for proper version software for full PDL7100 programming support.)

**AL-IM80211** Hardwire/Wireless Gateway Interface Module, with integral bi-directional radio, interfaces Networkx locks with PC network with hardwired Ethernet and wireless 802.11. Powered with Class 2, 6VAC transformer (supplied). Supports up to 63 Networkx Locks. Two antennas. Ceiling or wall mountable.

**AL-IME** Hardwire Gateway Interface Module, supports up to 63 Networkx Locks, similar to above, but using hardwired connection to the network via RJ45 Ethernet cable. One antenna. Powered with Class 2, 6VAC transformer (supplied). Ceiling or wall mountable.

**AL-IMEPOE** Hardwire Gateway Interface Module + POE, supports up to 63 Networkx Locks, as above, but using hardwired Ethernet and Power Over Ethernet (P.O.E.). Connects directly to a network via Ethernet cable. One antenna. Ceiling or wall mountable.

*\*\* Note: Battery life is directly proportionate to lock activations: users, door usage, program updates and audit trail downloads. Expected 5 year+ battery consumption estimate assumes 2000 authorized users, 100 passes per day, 365 days per year; daily updates changing one user and downloading 200 logged events every day.*

*\*\*\* Note: Actual coverage is dependent upon building construction and mounting location of Gateway.*



## ALARM LOCK

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