



**NetLock**  
ip access control  
**Technical Specifications**



Brilliant Function. Beautiful Design.



Our controllers connect directly to the data network via existing LAN wiring. The panel-free system places real-time control in the hands of your security administrator.

The controllers are "true network devices" designed using IP standards and technology. Customers find this "plug and play" configuration much easier than stringing special wiring and less time-consuming than programming and connecting to control panels. The streamlining of installation, maintenance and integration results in significant cost-savings.

Advantages over old-fashioned, panel-based access control:

- TCP / IP Direct Connectivity
- Open System built with MS Windows
- Reads HID proximity cards
- Power Over Ethernet built in
- Completely integrated with Active Directory

**POWER OPTIONS** (field selectable)

- PoE, 12 volts, 24 volts
- Operating current is <200 mA at peak @ 12v

**READ RANGE**

- 2" – 5" typical read range on RFID cards (depending on tag form factors)
- <250 msec

**OPERATING FREQUENCY**

- 125 kHz (dual modulation, FSK & ASK)

**COMMUNICATION INTERFACE**

- Ethernet, TCP/IP, standard RJ45, Interrupt driven
- RS232 interface to connect serial devices like pin pads
- Power reset button cycles power on reader – no need to disconnect wires.
- Reset to factory defaults button - if communication is lost, reader can be quickly reconnected.
- Power output - excess power from the PoE circuit is available to power other devices like the electronic lock. The available power is at least 0.5 amps at 12 volts.
- Field flashing - Flash the microcode on any reader, anywhere on the network.
- ASYNCH network communications - The reader is not polled.
- Local Mode feature set –Allows more installations to operate in Local Mode. Results in faster user response times, less network traffic, and reduced host system loading.

**OUTPUTS**

- Two TTL outputs (active high), one relay output (for electric strike)

**MONITOR INPUTS**

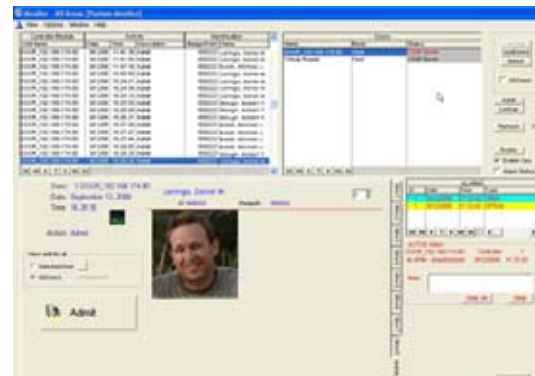
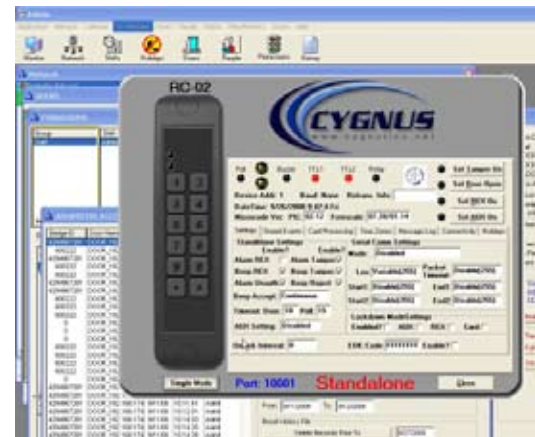
- Three available inputs for door sense (normally closed), request for exit (REX, normally open) and an optional input for flexibility (AUX, normally open)

**VISUAL INDICATORS**

- Two LED indicators signal the reader-controller's current status.
- Network LEDs show the reader is connected and is receiving and transmitting data.

**STANDALONE CAPABILITY**

- Capable of storing 64,000 cardholders, 5000 access events and can be configured and accessed by an external host system
- For non-networked installations, supports standalone programming with three special cards; add, void, & void – all.



**PROTECTION**

- Optical tamper switch and internal power up diagnostics

**NETWORK ABILITY**

- LAN, driven by a powerful Windows host program

**HID-enabled to read a variety of HID cards:**

- Proxcard II
- ISOProx II
- DuoProx II
- Smart DuoProx II
- iCLASS Prox
- Proximity and MiFare
- Proxkey II
- MicroProx
- DuoProx
- PhotoProx