

Schools – Businesses – Farms – Government - Churches



All Smart door readers connect directly to the data network via existing LAN wiring. The panel-free system places real-time control of access, real time notification via email, text or text to voice notifications to personnel and security administrators.

Smart Access IP readers are “true network devices” designed using IP standards and technology. Once installed, the reader-controllers use TCP/IP to open a dialogue with the Viewbiquity edge gateway and await your specific commands and parameters. 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. End-users want to leverage the investment in their networks and this desire is driving demand for network-friendly, security devices.



Distinctive Features

Scalable

Unlimited number of readers on a system and unlimited number of users

Fault-tolerant design

Intelligent reader-controller can make access control decisions on its own based on the Viewbiquity rules engine. Additional features supported to associate with other events, such as activating video snap shots that can be emailed to remote devices, turning on lights, adjusting thermostats and more.

Network Ready

The only panel-free system with direct connectivity to the Data Network

Adaptable

MS Windows software platform is enabled to support integration with other systems via the standard TCP/IP interface.

Easy

Plug and play design eases installation and MS Windows interface is familiar to users

TECHNICAL SPECIFICATION

CONSTRUCTION

- Durable plastic enclosure, flame-retardant ABS, UV stabilized
- Potted for greater weather resistance
- Ethernet interface, 3 monitor inputs & 2 TTL outputs
- Twelve total terminations (3 for relay, 2 for power, 5 inputs, 2 outputs)

DIMENSIONS

- 1.625" X 6.750" X .940" (mullion)

ENVIRONMENTAL

- UL-294 and rated for Outdoor use
- Meets FCC Part 15 certification, ambient operating temperature -40 to 50 degrees Celsius (-40 to 120 degrees F) , operating humidity is 0 – 100%

POWER OPTIONS (field selectable)

- Power Over Ethernet (PoE) (IEEE 802.3af, Class 0)
- DC power: < 125 mA @ 12 volts DC
- < 70 mA @ 24 volts DC

READ RANGE

- 2" – 5" typical read range on proximity cards (depending on tag form factors)
- Proximity read speed: <250 msec

OPERATING FREQUENCY

- 125 kHz (dual modulation, FSK & ASK)

COMMUNICATION INTERFACE

- Ethernet, TCP/IP, standard RJ45, Interrupt driven Network Host or Client modes supported.
- RS232 interface to connect serial devices like Pin Pads and wiegand readers
- Reset button power-cycles reader, or reset-to-factory-defaults.
- Auxiliary Power output - PoE circuit can supply 0.6 amps at 12 volts to power other devices, like the electronic lock.
- Field flashable microcode: On any reader, anywhere on the network.
- ASYNCH network communications - No network polling.
- Powerful Local Mode feature set –Allows most installations to operate in Local Mode. Results in faster user response times, less network traffic, and reduced host system loading.

OUTPUTS

- Two TTL outputs (configurable default state), one form-C relay output (for electric lock, rated 2.0 A @ 30 VDC)

MONITOR INPUTS

- Three configurable inputs. Typically used 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 32 time zones which 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

READER CONTROLLER CARDS

- HID-enabled to read a variety of HID prox cards:
 - ● Proxcard II
 - ● ISOProx II
 - ● DuoProx II
 - ● Smart DuoProx II
 - ● iCLASS Prox
 - ● Proxkey II
- ● MicroProx, DuoProx & PhotoProx

