



CLEAR2THERE ACCESS CONTROL READER-CONTROLLERS

TECHNICAL SPECIFICATIONS

DIMENSIONS

- Multiple form factors
 - Mullion (5.1" x 1.7" x 0.71")
 - Wall mount (5.1" x 3.25" x 0.17")
 - Wall mount keypad (5.1" x 3.25" x 0.17")

ENVIRONMENTAL

- UL-294 compliant and rated for outdoor use
- FCC certified
- Operating temperatures -40°F to 135° F (-40°C to 57°C)
- Conformal coated for weather resistance
- Exposure Ratings: IP56

POWER OPTIONS

- Power over Ethernet (PoE), (IEEE 802.3af, Class 0)
- DC Power: 12V DC In (9 to 16V)
- PLEASE NOTE: 24V DC is not approved for these devices

READ RANGE

- 3" typical on RFID cards
- Proximity read speed: <250msec

OPERATING FREQUENCY

- 125 kHz (FSK modulation)

COMMUNICATION INTERFACE

- 10Mb, half or full duplex
- Ethernet, TCP/IP, standard RJ45 cable
- Network host or client modes supported
- DHCP addressing supported
- Field flashable microcode

OUTPUTS

- 8 wire pigtail
- 600mA provided to power the lock
- Conditioned lock power
- Fail safe and fail secure supported
- Two exterior door kit output

INPUTS

- Two configurable inputs:
 - Door sense
 - General Purpose Request to Exit (REX) or Auxiliary (AUX)

VISUAL INDICATORS

- LED signal for reader status
- Backlit keypad

READER-CONTROLLER INTELLIGENCE CAPACITY

- Capable of storing 64,000 cardholders, 5000 access events and 32 time zones, which can be configured and accessed by an external host system

SECURITY FEATURES

- Tamper detection via an accelerometer
- AES-256 bit encryption
- Metal back plate provides additional security, a simple two piece installation and consistent read range



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PURE IP TO THE DOOR TECHNOLOGY

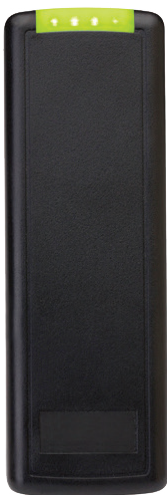
Clear2there smart door readers-controllers are true network devices, designed using IP standards and technology, and connecting directly to the data network using existing LAN wiring. The panel-free system delivers real-time access control and notification via email, text or text-to-voice messages to company personnel and security administrators.

Once installed, the reader-controllers use TCP/IP to open a dialogue with the Viewbiquity Edge Gateway, and await specific commands and parameters. This "plug and play" configuration is much easier to deploy than stringing special wiring, and is less time-consuming than programming and connecting to control panels.

Clear2there's streamlined installation, maintenance and integration delivers significant cost-savings, empowering businesses to intelligently leverage the investments made in their existing network infrastructures.

Key features and benefits of a Clear2there access control system include:

- **Simplicity:** Our all-in-one reader-controller devices are easy to install and connect via an Ethernet connection, without the need for additional power at the door. They provide uninterrupted decision-making intelligence even if your network goes down.
- **Scalable:** A reader-controller sends mere kilobytes of data across the network, minimizing network bandwidth, latency and server utilization. An unlimited number of readers and users can be supported on a system.
- **Fault-Tolerant Design:** Our intelligent reader-controllers can make access control decisions based on the Viewbiquity rules engine. Additional features are supported to associate with other events, such as activating video snapshots 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. Anywhere you can send an IP message, you can control a door or access point, and easily monitor and control entry points across geographic locations.
- **Readily Adaptable:** The Clear2there Viewbiquity Cloud Application Suite (VCAS) platform supports integration with other systems via the standard TCP/IP interface.
- **Easy-to-Deploy:** Plug and play design eases installation, and Clear2there's intuitive interface delivers a simple and straightforward user experience.



C2TACREADER-MCTv4-M
Mullion (5.1" x 1.7" x 0.71")



C2TACREADERv4
C2TACWIEGANDREADER-MCT-W
Wall Mount (5.1" x 3.25" x 0.17")



C2TACREADERKEYv4
Wall Mount Keypad (5.1"x 3.25" x 0.17")