

Access Control that Means Business

iTRUST – Delivering Sustainable Access Control to Energy Efficient Buildings

Maximize energy efficiency and stay secure

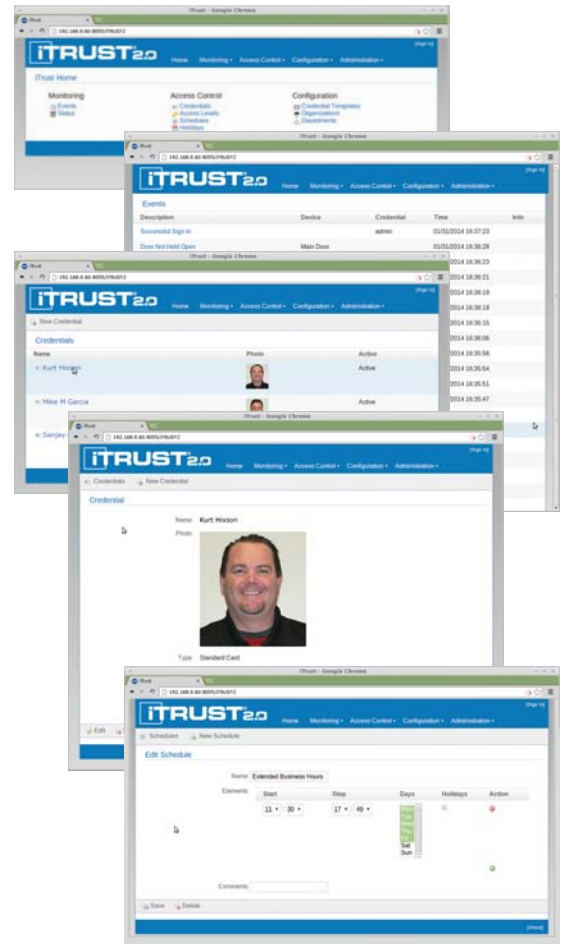
Green building construction and renovation requires careful selection of the specific products used in the process. With iTRUST, building security, which is necessary to protect people, facilities and assets - now gives architects and engineers an opportunity to add the security system into the facility's sustainability goals. A sustainable access control system can improve overall facility energy efficiency by reducing the impact of a key electronic system which is necessary to operate on a 24/7 basis.

Besides being a “server-less” web-based application, one of the greatest efficiencies within the iTRUST access control system can be found at the door, with the use of the BlueEdge Unified Digital Controllers (UDC). The intelligent UDC panels deliver dual IP-based door access control, which use Power over Ethernet Plus (PoE+) technology, lessening both power requirements and total materials used. Combine the overall efficiency of iTRUST and the UDC with industry leading sustainable integrated partner technologies from Farpointe (card readers) and ASSA ABLOY (integrated PoE+ and WiFi locks), and “green” access control delivering optimized power consumption is within your organization's reach. Realize your “green” business goals by making sustainability a central part of your security team's philosophy and culture.

Designing a green building is very tedious work. Specifying the right access control system to go into that building shouldn't be. iTRUST[®] makes “green” door security easy.

A properly implemented access control system provides the vital core layer to your business's security and the safeguarding of valuable company assets.

A well designed access control system allows you to limit employee access, manage schedules, and generate reports that highlight who is going where, and when. Electronic access control is a quick, easy and affordable way to help you limit unauthorized access to high-risk or sensitive areas of your business.



The iTRUST[®] 2.0 Access Control System:

- Helps protect valuable assets and sensitive areas within your organization
- Helps restrict, manage and report facility, internal door and employee area access
- Increases overall employee safety
- Assists in inventory control and auditing
- Eliminates costly re-keying and frequent lock changes from employee or contractor turnover

BlueEdge - Unified Digital Controller (UDC)

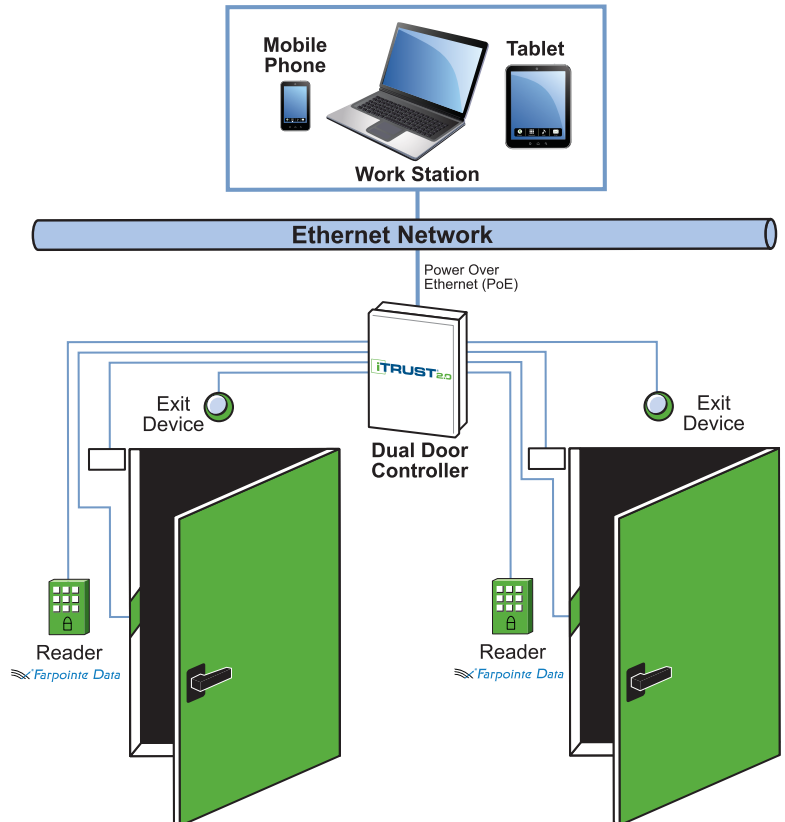
Farpointe Card Readers – An Energy Saving Opportunity

The standard issue Pyramid access card readers that are offered in the iTRUST kits are manufactured by our product partner - Farpointe Data. These readers offer a feature called 'card present'. Upon access card read, a reader can transmit a signal, via the card present line (yellow cable), to activate, or wake up, the iTRUST access controller from a low power, energy saving state. With that, based upon the specific identity of the card holder, iTRUST can trigger and wake up additional integrated systems that may exist.

- Low cost and easy installation
- Full-featured and expandable as needed
- Intelligence at the edge of the network
- Remote internet configuration capability
- Lower overall price and total cost of ownership
- Energy efficient and environmentally friendly operation
- Easily expandable to an enterprise-scale SAFEnet system if required
- System components communicate via TCP/IP
- Serverless system - no dedicated computer necessary

- Less hardware
- Minimal terminations
- Less wiring (CAT-5 based)
- Easy to add new doors
- Full stand-alone intelligence
- IP-PoE+

Run your card readers and locking hardware directly from the UDC board using PoE+ power.



Farpointe's green "eco-technology" readers, combined with iTRUST, deliver the ability to manage and reduce the excessive power consumed by traditional facility access control systems – offering tangible savings to end users on their power bills.



Shown:
iTRUST® 2.0
2 and 4 Door
Access Control Kit

Effectively controlling the access of individuals in and out of your business is your first line of security.

Monitor Dynamics' iTRUST IP-PoE+ access control system gives organizations of all sizes the ability to limit unauthorized entry. Whether your business has only one way access or multiple entry points, iTRUST is the most dependable, easy to use and cost effective access control system for business on the market today. iTRUST benefits your business by restricting walk-in traffic, decreasing security threats and controlling access to secure areas. Being a card-based access control system, iTRUST eliminates the need to re-key the entire facility whenever you have employee turnover and reports access activity to assist you in keeping track of who's entered sensitive areas of your business, by date and time, before and after an incident. Whether it's protection for your main entrance or a specific sensitive area, iTRUST delivers the added flexibility that allows you to concentrate on more important matters - like your day to day business.

iTRUST®2.0 helps businesses meet their goals by delivering hassle-free, economical access control - without sacrificing quality and expandability.

iTRUST is the ideal electronic access control solution for businesses of all sizes. iTRUST software is easy to install and use, offering an immediate time-to-benefit, so you can dedicate you and your staff's full attention to your business objectives.

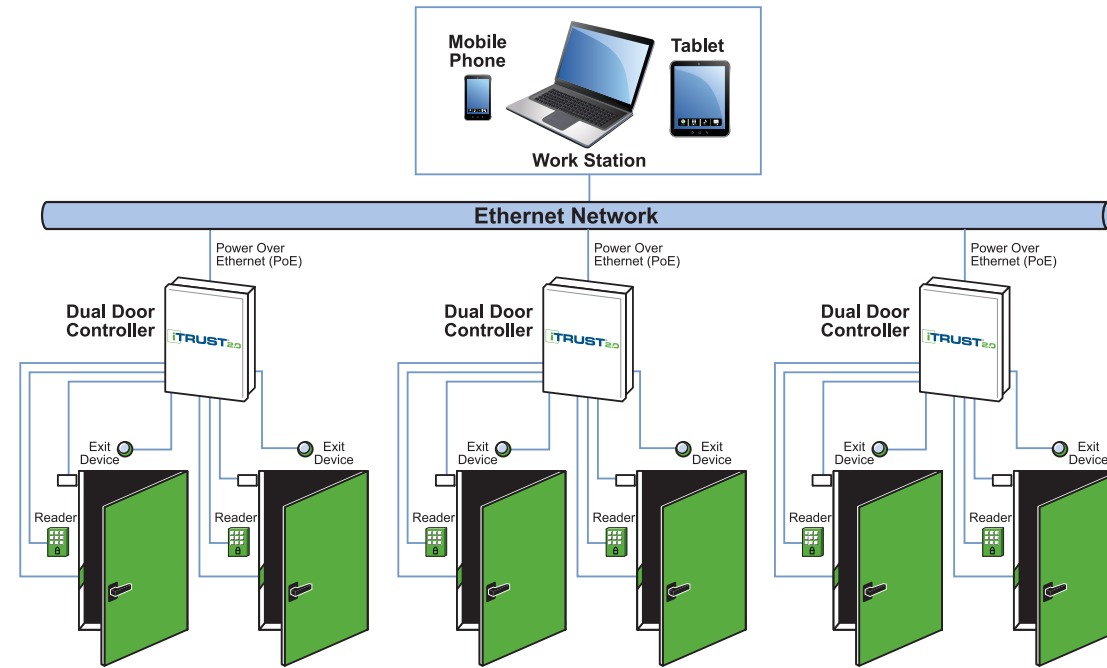
- **Reduced Cost & Resources:** Eliminate traditional costs associated with electronic access control – from wiring, to system upgrades and necessary staffing resources.
- **Lower Cost of Installation, Maintenance and Ownership:** Realize immediate savings over comparably sized non IP-PoE+ electronic access control systems that cannot be configured remotely over the web.
- **With a simple firmwork change** iTRUST can be upgraded to our enterprise SAFEnet software.

Managed Access Control Capabilities

iTRUST's IP infrastructure and online administration capabilities can reduce your businesses system management costs by allowing you to have your access control system managed by a team of professional security dealers. Your business's access control needs may change over time, and iTRUST was designed and built to grow with it as needs arise.

iTRUST can be hosted, monitored and backed-up remotely, if required, by your certified and licensed security dealer of choice. This feature gives you hassle-free change management when your system requires additions, subtractions or additional schedule changes and configurations. With this feature, your internal staff can be "hands-off" and leave everything in the hands of your trusted security professionals of choice. These professionals will link to your access control points and web-based software – making day to day maintenance a thing of the past. If needed, your outsourced security team can have real-time remote access to track entry and exit movement throughout your business, inventory rooms, warehouses, shipping and receiving areas and computer rooms.

Easily Expandable from 2 to 32 Doors



iTRUST® is built on an open architecture software platform that allows for real-time monitoring, management, and control of your access control system - from a dedicated computer or a remote internet browser

Easy Customization

- Hassle-free management and control functions via the Web
- Adding employees, door access control and locations can be easily accomplished online
- Manage cardholder access
- Event and transaction data reporting



UDC Hardware Specifications*

The UDC is designed for access control applications of all sizes and requirements. The UDC is the industry's premier 2-reader, 2-door, Power over Ethernet (PoE+) IP-based access controller. Powered by Monitor Dynamics' BlueEdge Technology, the UDC delivers simple plug-and-play installation utilizing PoE+ power and reducing overall installation cost and configuration time. The UDC empowers small organizations in need of entry-level access control with the processing capacity required for the largest enterprise-wide applications. The UDC is a dual-port Ethernet IP panel that transmits entry and exit data via high speed communications. Utilizing a Linux-based processor for stability, the UDC communicates to the head-end with complete fail-over, at rates exponentially faster than standard serial based communications.

As a scalable hardware device located at the edge of the network, the UDC comes with two downstream RS-485 communication ports that can be used to connect various combinations of field hardware, including additional UDC panels (up to 31 devices). As an enterprise-grade controller, the UDC can scale to support 250,000 cardholders and 50,000 events - standard.

Primary Panel Features:

- PoE+ (Power over Ethernet) Compatibility
- Flash Updatable Firmware
- 2 x 256 MB Flash Memory (512 MB)
- Dual (2) Reader Interface
- Support for 32 doors
- Supports up to 250,000 Card Holders**
- Supports up to 50,000 Events in Buffer**
- IPV4 Compatible, IPV6 Capable
- Dual Path Ethernet Communication (2 Network IP Addresses/MAC Addresses)
- Web Based Setup and Configuration (Local and Remote Diagnostics)
- Reader Inputs: Wiegand, Magnetic and Smart Card Readers (up to 256 Bits)
- 250/800 MHz ARM Processor with 64 MB External Memory Expandable to 800 MHz ARM Processor with 256 MB of External Memory



* Specifications are subject to change without notice.
 ** The number of cardholders and events can be increased.