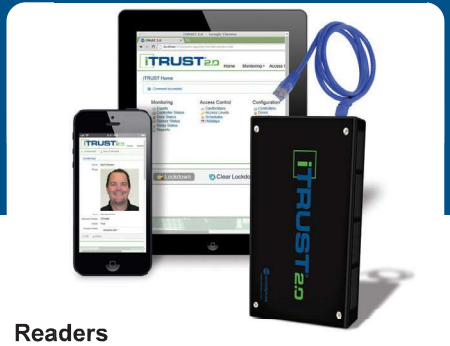
iTRUST® ENTERPRISE

UDC Technical Data Sheet



iTRUST Unified Digital Controller (UDC)

The iTRUST Unified Digital Controller (UDC) is an intelligent IP-based dual door control panel that was designed for direct access control applications. As the engine for iTRUST's web-based access control solution, the UDC delivers the power, technology and mobility required to secure any tupe of facility in real time, from anywhere, via a smartphone, tablet or browser-enabled mobile device. The UDC is the industry's first 2-door, Power Over Ethernet Plus (PoE+) web based access controller. It was designed for simple plug-and-play installation, and can be powered by either a PoE+ switch or local plug in transformer. When utilizing its PoE+ power option, the UDC can facilitate enough power to the door to operate two 1,800 pound mag locks per controller. iTRUST's UDC intelligent controller is one of the few commercially available PoE+ panels that comes in a 2 door single board configuration - with a massive power budget of 800mA per door (vs. 450mA industry average).

The UDC is delivered in two unique iTRUST system packages that level the playing field for all security installers:

- The M Series - a standard, IP based system with traditional metal locking enclosure and separate Altronix power supply to power locks, readers and additional door hardware.
- The P Series - an edge-based IP POE+ powered solution (one Ethernet cable to the box delivering communication and power).

These two options are designed to meet the end customer's specific security requirements while conforming to every individual security installer's networking expertise, historical installation experience and technical comfort level.

iTRUST ENTERPRISE empowers any type of organization in need of access control with processing power, ease of installation, mobility and a modern 100% IP solution.

Utilizing a Linux-based operating system for stability, the UDC is a "server-less" web-based edge appliance capable of operating as a stand-alone single board computer at the door. The UDC makes entry and exit decisions in zero degraded mode and all system software and firmware version updates can be accomplished over a web browser via the internet. The UDC's remote internet configuration, reporting and management capability (from any industry standard browser) and the iTRUST access system's affordable price, sustainable power savings and low total cost of ownership - make it the perfect choice in turn-key access control solutions.

Readers	
Quantity	2
Configurations	2 Doors (Entry/Entry) or Single Door (Entry/Exit)
Card Format	7 Standard Formats
LED Support	Single or Dual Color per Reader
Buzzer Support	1 per Reader
Supplied Power	12 VDC

Inputs	
Supervised	2 Door position 2 Alarm or General Purpose
Non-Supervised	2 Tamper 2 Request to Exit 4 Alarm or General Purpose

Outputs	
Relay Outputs	2 Door Lock
	2 Alarm: ON - door forced or door propped timeout
	2 Spare

Field Device Communications	
Protocol	TCP/IP

Memory	
SD Flash Card Memory	8 GB
On-Board Flash Memory	256 MB (2 x 128 MB)
Random Memory	64 MB
Cardholders	10,000 records
Event Storage	50,000 capacity

Electrical	
Power	12 VDC
Current Draw	360 mA (4.32 watts)

Dimensions	
Length	8.27 in (210 mm)
Width	4.46 in (113.2 mm)
Height	1.00 in (25.4 mm)

Environment	
Temperature	32ºF-158ºF, (0ºC-70ºC)
Humidity	Up to 90% (non-condensing)

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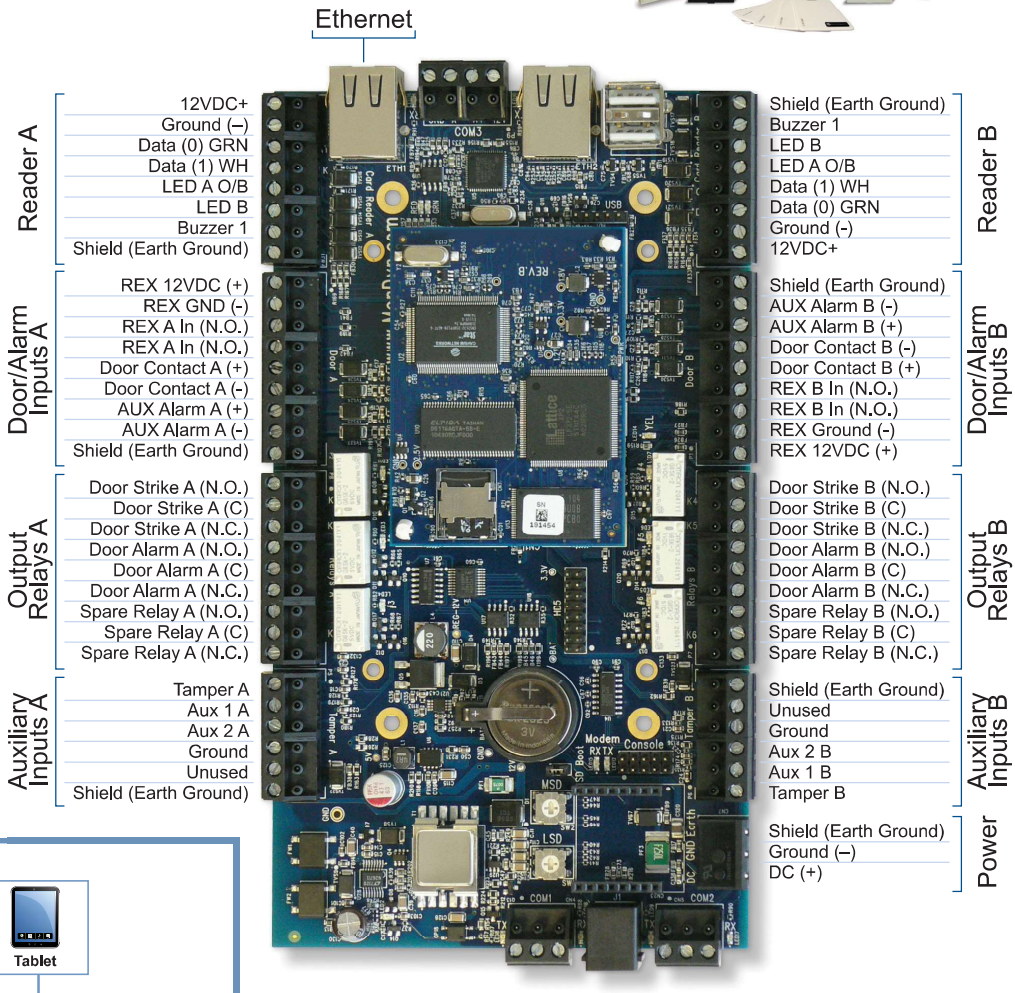
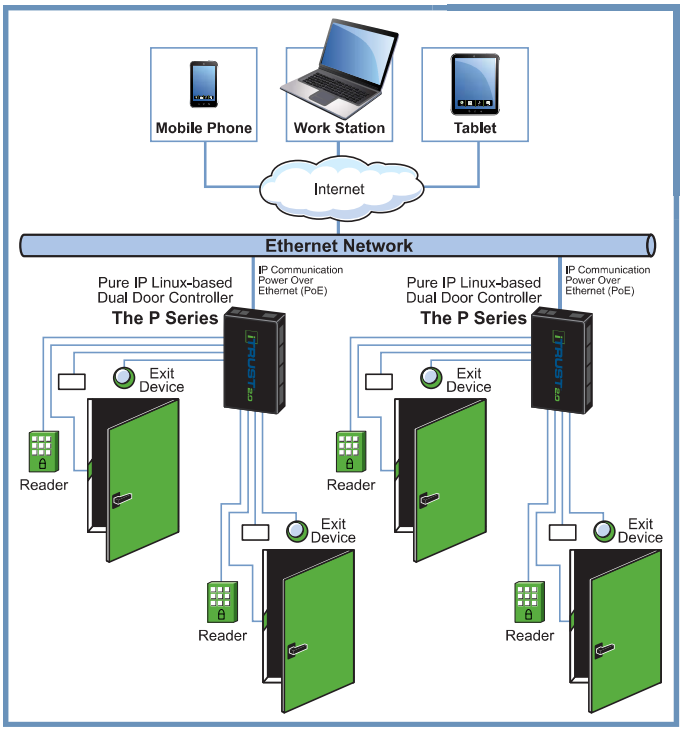
Primary UDC Features:

- **Provides 1.6 AMPs of Power Output when Powered via a PoE+ Switch**
- Energy Efficient and Environmentally Friendly Operation
- Linux Operating System
- Remote Internet Configuration - Any Browser
- Support for Two Hard-wired Card Readers
- Wiegand Reader Input
- 250/800 MHz ARM Processor with 64 MB External Memory: Expandable
- iTRUST ENTERPRISE is Fully Integrated with ASSA ABLOY Aperio IP Hub and Wireless Locks. Each UDC Board can Control up to Five Aperio IP Hubs for a Total of 80 Aperio Wireless Locks per Board.
- UL Approved

CERTIFIED UL
1076 Alarm Systems
294 Access Control Systems





iTRUST Enterprise is a 100% IP solution. Each UDC board on the system is capable of running independently in the event of network failure. Once communication with the server is restored, all events will be downloaded to the server's database. The UDC board can be powered via a traditional 12volt power supply or can be powered directly from a PoE+ switch. 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. The controller is populated with enough inputs and outputs to handle all traditional access control functions. In addition, the board has spare relays and input/output capacity that are all customizable from the software. The Monitor Dynamics UDC board is proudly made in the United States and is UL approved.

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