BLUEEDGE

md monitor**dynamics**

UDC Hardware Specifications*

The UDC is designed for unified access control and intrusion detection applications. The UDC is the industry's first Power over Ethernet (PoE) IP-based digital 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 organizations with the processing capacity required for the largest enterprise-wide access and intrusion 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 three 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 scales to support 250,000 cardholders and 50,000 events - standard.

Extreme Affordability and Unlimited Scalability

Primary Panel Features:

- POE (Power over Ethernet) Compatibility
- Dual Path Ethernet Communication (2 Network IP Addresses/MAC Addresses)
- Web Based Setup and Configuration (Local and Remote Diagnostics)
- Flash Updatable Firmware
- 2 x 256 MB Flash Memory (512 MB)
- Dual (2) Reader Interface
- 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
- 4GB-16GB SD Flash Memory
- Option for Audio/Video via USB
- CES 128 Bit Encryption to the host (Optional 256 Bit Available)
- Supports up to 250,000 Card Holders**
- Supports up to 50,000 Events in Buffer**
- IPV4 Compatible, IPV6 Capable
- Unlimited Privileges and User Profiles
- Support for Unlimited Areas (Timed, Hard, Soft & Global)
- Support for 60+ Doors
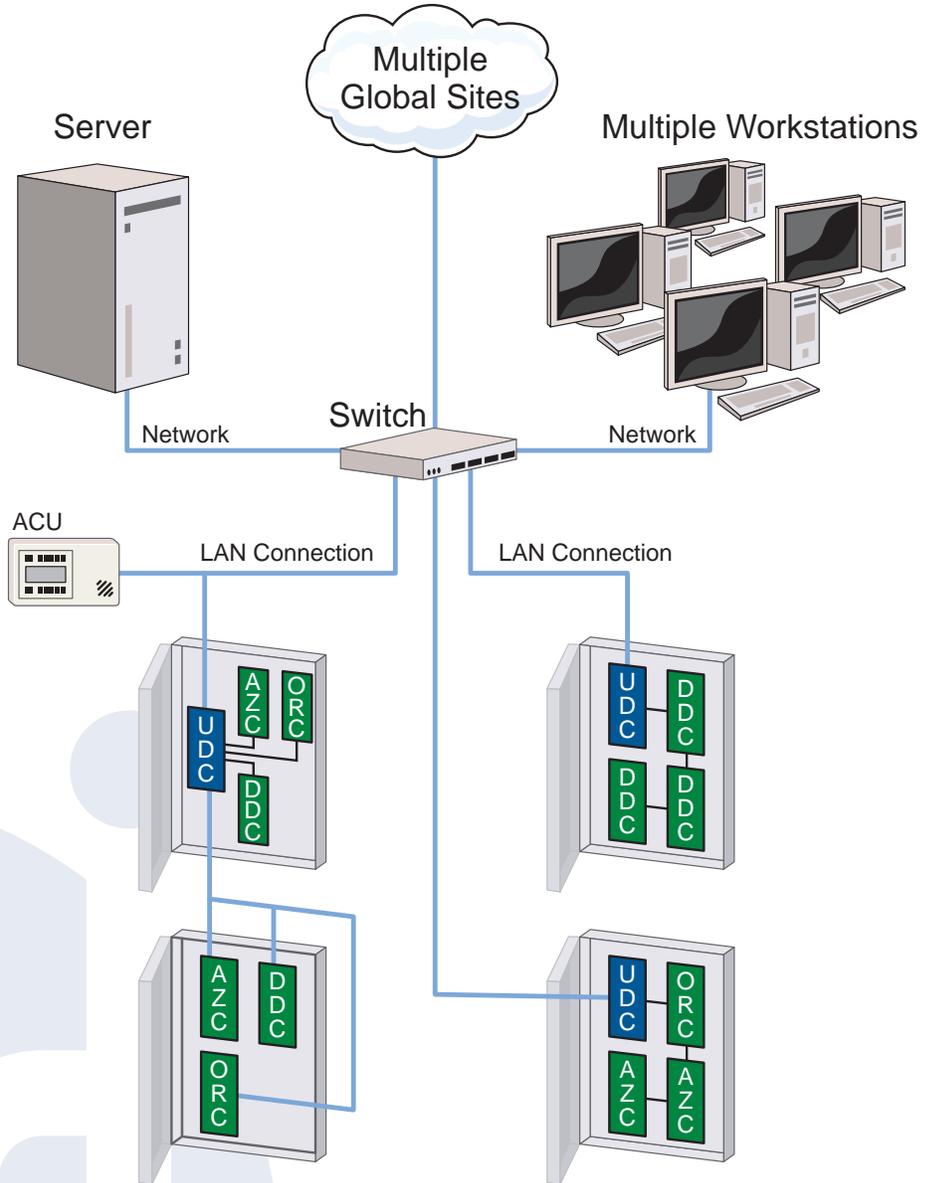- Unlimited Holidays, Shifts and Time Zones

* Specifications are subject to change without notice.
** The number of cardholders and events can be increased exponentially and is limited only by processor speed and size of SD Memory Card.

BlueEdge Unified Digital Controller (UDC)

- 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
- Seamless scalability to enterprise global command and control
- Works with all prior hardware lines on the SAFEnet platform
- Communicates via TCP/IP network to the command center
- Operates with or without host computer connectivity (stand alone)

Multiple Global Sites

Server

Multiple Workstations

Switch

Network

Network

ACU

LAN Connection

LAN Connection

UDC AZC ORC DDC

UDC DDC DDC DDC

AZC DDC ORC

UDC ORC AZC AZC

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

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