

Site Controls™ Connect

Preserve and Extend Your EMS Investment



BENEFITS

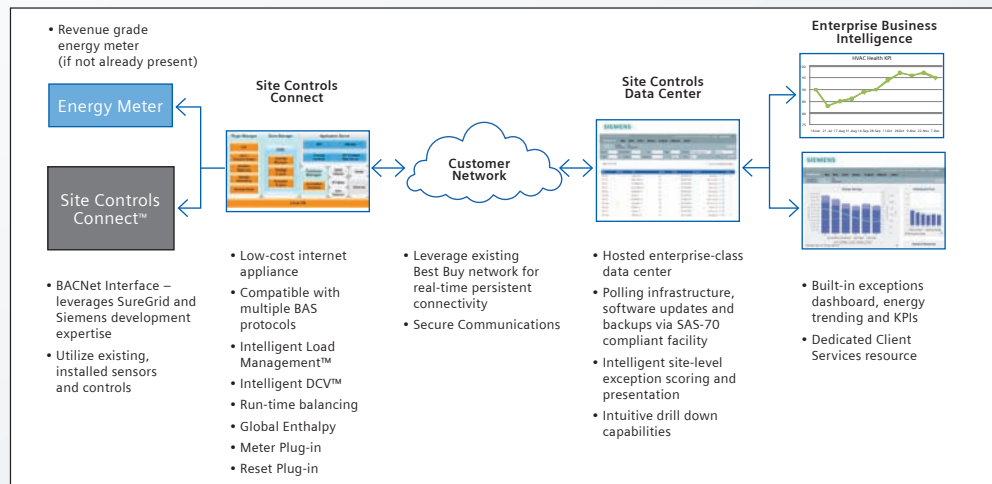
- Preserve investment in installed base with limited capital outlays
- Drive increased energy and maintenance savings
- Enterprise visibility through above-site tools, CRM and datacenter
- Intelligent DCV
- Participate in DR programs through Intelligent Load Management™ technology
- Cost avoidance – software development
- Cost avoidance – connectivity and hosting infrastructure

Site Controls Connect allows you to extend your investment in legacy EMS hardware by providing a seamless bi-directional interface to the Site Controls

Data Center. Site Controls Connect is an Internet appliance with extended connectivity capabilities and an "IT friendly" 1U 19-inch rack mountable enclosure.

Offering unprecedented scalability, Site Controls Connect features expanded interface capabilities for retailers now, and anticipates the device requirements of the future. The Site Controls Connect's processing speed and interface options allows more devices to be connected on site, further leveraging the capabilities of the Site Controls Data Center.

Site Controls Connect is powered by an industrialized Linux distribution with an embedded Java Virtual Machine (JVM), providing solid, reliable and flexible system architecture with networking support. The firewall friendly 1U system employs HTTP and SSH servers for remote connectivity and maintenance.



Features Overview

- Lighting, HVAC, Refrigeration and Signage Controls, expandable to a variety of digital and analog devices
- Highly interoperable – compatibility with BACnet®, LonWorks®, and ModBus® protocols
- Monitors indoor and outdoor temperature, humidity, light levels, cycles, pressures, current, etc.
- Software & Mounted Overrides with Programmable Configuration
- Browser Based Monitoring, Controls, Reporting
- Digital Multi Level Priority Notification Engine
- Remote Restart of HVAC and Refrigeration
- Access to Equipment Performance Data on Demand
- Maintenance Diagnostics and Consumption
- Advanced Scheduling for Single or Multiple Sites
- Advanced Grouping Capabilities for Controls
- Load Control Strategies Demand Limiting
- Dynamic Load Shedding – compatible with OpenADR grid management standards
- Redundant HVAC and Lighting Defaults in Event of System Failure
- Intuitive User Interface
- Variable Polling Frequency with all Historical Data Maintained
- Fanless operation
- Compact Flash persistent storage

System*

- CPU Intel® Celeron® M 1.5 GHz, Socket 478 support; Pentium M/Celeron M FSB 400 MHz
- System Chipset – Intel 910GMLC plus ICH6M
- Memory – Onboard 512MB DDR with DDR2 SO-DIMM Socket support to 1 GB/533MHz
- BIOS AWARD
- Watchdog Timer – software programmable 1 to 255 sec.

Video

- VGA (DB15 Connector)

Ethernet Interface

- Chipset – 4 x Intel 82574L and 2 x Intel 82541PI
- Connector – RJ45
- LAN – 6 x 10/100/1000 LAN
- PXE and Auto MDIX

Storage

- HDD – 1 x Enhanced 44-pin IDE port
- SATA – serial ATA 1 Port x1
- SSD – 1 x compact flash socket Type II (supports UDMA)

I/O

- Serial port – RS-232/422/485 x 8 (DB9 Connector)
- USB ports – USB 2.0 2 external, 4 internal
- GPIO – 9-bit digital I/O
- PS/2 keyboard and mouse pin headers

Mechanical and Environmental

- Dimensions (L x W x H) 9.0" x 6.0" x 2.5" (440 mm x 303 mm x 444 mm)
- Power requirement – AT: 12V single voltage input (BIOS default)
- Operating Temperature 32 to 122° F (0 to 50° C)
- Storage Temperature -4 to 176° F (-20 to 80° C)
- Operating Humidity 0% to 90% @ 40°; Relative Humidity, Non-condensing

**Specific system components subject to change.*

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