

1RU Building Management Server



The Switch Building Management Server is the automation core for the control and management of your building or complex. The Building Management Server is a slimline rack mount unit that provides all common area control for lighting, security, cameras, irrigation, air conditioning and audio visual equipment.

The integrated web management console has tools to assist in energy management. Turn off lighting and services in unoccupied areas and adjust loads according to time of day or season. A rich collection of reports and graphs is provided to assist in maximising the efficiency of your operations.

The Building Management Server is the central communications hub for the building enabling any individual Switch Server to perform system wide functionality such as access or lighting control and the viewing of common area cameras.

A Community Intranet service is provided for broadcasting of local news and information, advertising or management of facility booking services.

Product Highlights

- *Building Management Server with web management interface*
- *Communicates to 1...N Automation Servers or IP Phone handsets for common area control*
- *Receive requests from and issue state to remote Automation Servers*
- *Predictive maintainence across all connected systems*
- *System notifications via Email, SMS or Web*
- *Integrated web server for local or remote management*
- *Content management system for community intranet*
- *Integrated facilities booking system via community intranet*
- *Centralized energy monitoring, relays information to units*
- *User and accounts system integrates with extension lists on IP PBX communications server*



Features and Benefits

19" 1RU Rack mount unit allows for easy installation and integration

Logic and macro engine across all connected devices

6x bi-directional RS232 ports; remote RS232 ports and contact outputs via ethernet adapters (ERI-xx)

Web management console allows for fast and easy setup and maintenance of the entire Automation Network including Automation Servers and Touch Interfaces

Integration to disparate systems via IR, RS232C, RS485, Ethernet

Communications to Lonworks, BACnet, ModBus via 3rd party gateways

High level integration with propriety systems - see driver support section:

IP PBX Communications Server

Access Control Systems

Security Cameras

Digital Video Recorders

Lighting & Power Control

Air Conditioning systems

Modules and Drivers

Included:

1x Embedded Server (MOD-SRV)

1x Embedded Touch Interface via VGA (MOD-ITF)

1x Serial Connections (MOD-SER)

1x Scripting Environment

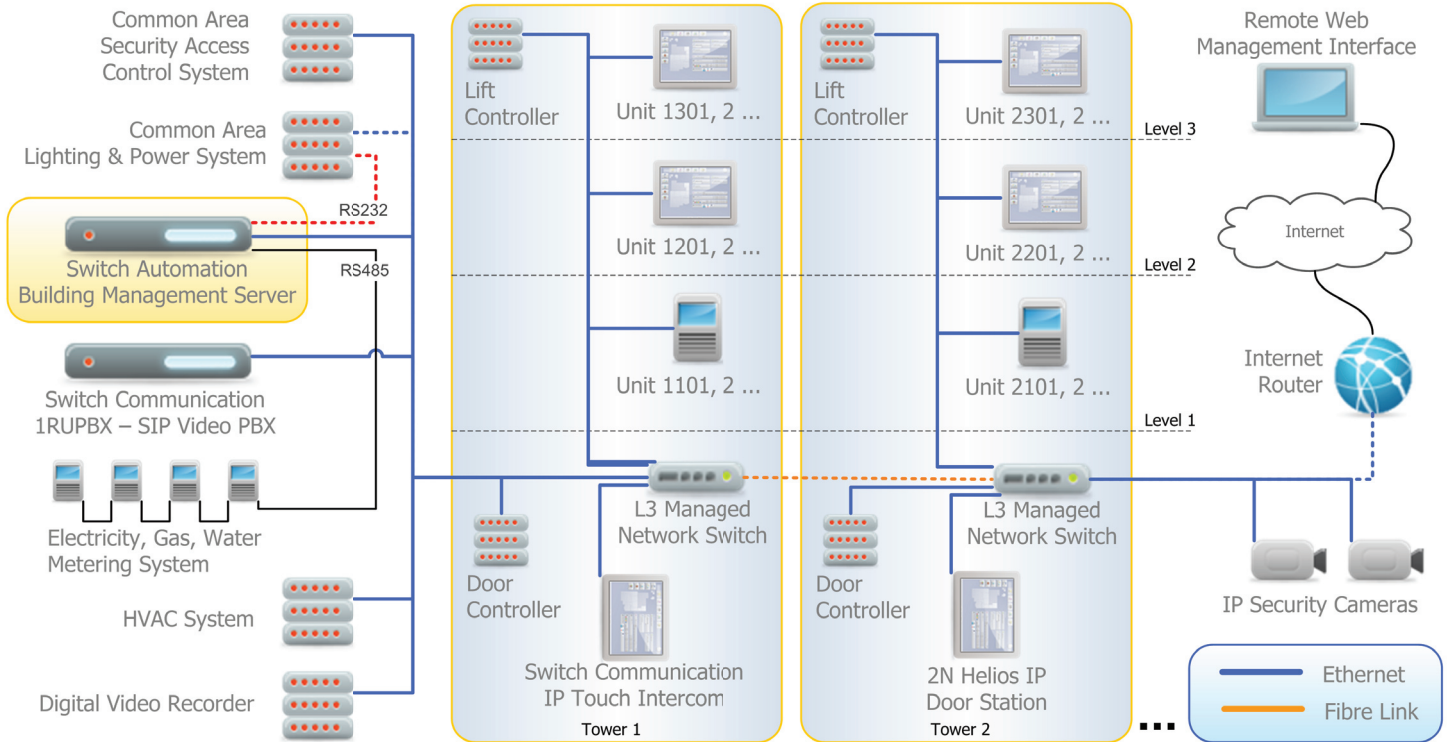
1x Server-Server Connectivity

1x Remote Monitoring (ongoing costs)

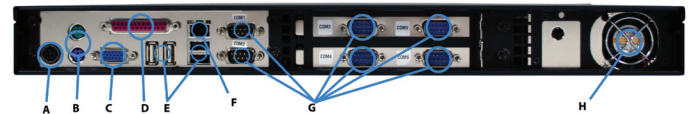
1x Community Intranet w Content Management

Schematic

1RUBMS



Specifications



- 1 = Behind Cover: Power reset switch (power always on); 2x USB 2.0 ports; 1x Line Level Audio Output; 1x Microphone Level Input
- 2 = Power LED indicator
- 3 = Activity LED indicator
- 4 = 19" 1RU Rack Mount Ears

- A = DC Power socket
- B = Keyboard / Mouse PS2 port (service only)
- C = VGA D15 port
- D = Serial D25 (service only)
- E = 4x USB 2.0 ports
- F = 10/100 Ethernet RJ45 port
- G = 6x RS232 D9 ports
- H = Exhaust fan (Total: 1x Exhaust, 2x Intake, 1x Processor)

Driver Support:

IP PBX Communications Server:

- Switch PBX Switch

Access Control Systems:

- Ness M1 Gold with Ethernet Module
- APC Controls with Ethernet Modules

Security Cameras:

- ACTi IP Cameras
- ACTi Video Servers

Digital Video Recorders:

- DVR - 4, 8 or 16 channel

Lighting & Power:

- Clipsal C-Bus
- Dynalite Dynet
- HPM iControl

General:

19" Rack mountable - 1RU height
 Intel Pentium M 1.4Ghz
 Remote access via VNC port 5900
 VGA port supplies Embedded Interface for rack monitors
 40gb Data Storage
 2GB Flash Memory
 1024mb DDR RAM
 XP Embedded Operating System

Environmental and Mechanical:

All aluminum chassis construction with stylish aluminum front bezel
 Weight: 2.5kg
 Finish: Anodized front bezel, black wet paint with texture coat chassis
 Requires 1RU clearance above and below for adequate heat dissipation
 Cooling Fans: 2x 40mm ball-bearing type; 1x 40mm rear exhaust (optional depending on environment)
 Dimensions(WxDxH): 482.6 x 254 x 44.45
 60w @ 240V AC
 External switch-mode power supply

Serial Interface:

Connector: Male DB9
 Data Rates: 1200 baud to 115.2k baud
 Parity: odd, even, none
 Data Bits: 5, 6, 7, 8
 Stop Bits: 1, 1.5, 2
 Flow control: bi-directional hardware RTS/CTS

* Additional components required. Level of control depends on extent of network. All brand and/or product names are trademarks of their respective owners. Specifications are subject to change without prior notice. E&OE.

