SSU Virtual Server

All functionalities of a standard hardware System Support Unit (SSU) can reside on a client server as a virtualized version of the SSU, called the SSU Virtual Server (SSUVIRT). This eliminates the need for dedicated server hardware. It is important to note that all ENCELIUM® EXTEND Managers must be assigned with static IP addresses for communication with the SSUVIRT. In addition, certain ENCELIUM EXTEND Networked Light Management System (LMS) specified communication ports must remain “open”.

The SSUVIRT serves as the database for all data related to an ENCELIUM EXTEND system installed in a facility. The SSUVIRT stores all system settings and parameters, including attributes for zones, fixtures, sensors, zone controllers, and scene controllers. Additionally, it maintains multiple set points including those for light levels, time schedules, occupancy sensor timeouts and demand response or load shedding features. The SSUVIRT also logs historical data regarding the system’s operational and energy savings results.

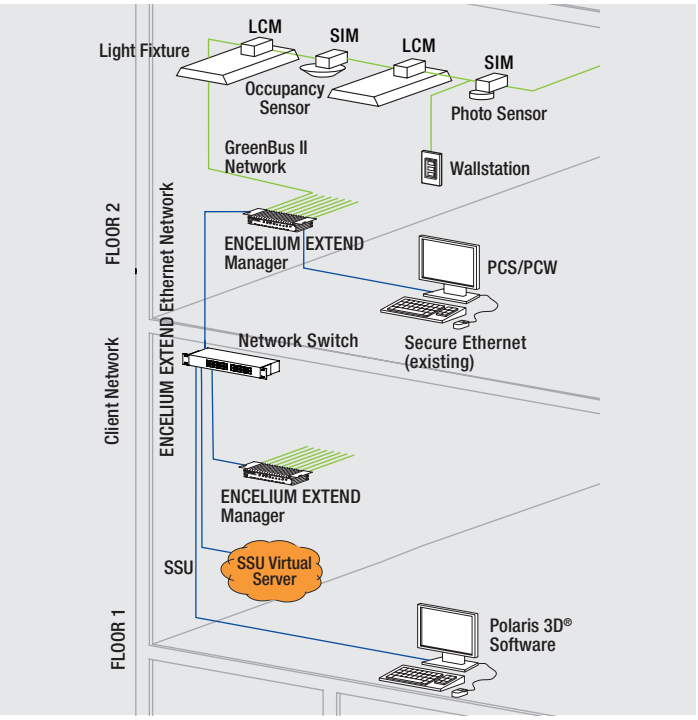
The SSUVIRT provides the ability to remotely access a system in order to change system settings or configuration, analyze system performance or energy data or troubleshoot thereby providing quick and seamless customer support. The SSUVIRT also hosts the web interface required for the web enabled Personal Control Software. In addition, optional building automation interfaces such as BACnet® and A/V Interface are available upon request.

Each ENCELIUM EXTEND Networked Light Management System (LMS) requires one SSU Virtual Server (or hardware based SSU).

Key Features & Benefits

- All lighting system data and settings are stored on the client server
  - Schedules
  - Load shedding
  - Demand response
  - Light levels
- Enables secure/remote access to configure, analyze and troubleshoot the system

ENCELIUM® EXTEND Networked Light Management System Architecture



System Architecture

This illustration shows how each component is easily integrated into the ENCELIUM EXTEND Networked Light Management System (LMS). GreenBus II® is a two-wire communication topology for supplying data and power to the system. Each light fixture, sensor, and wall controller is daisy-chained back to the ENCELIUM EXTEND Manager using pre-terminated ‘click & go’ GreenBus II communication cabling. Managers typically control individual floors and are linked via an Ethernet Network. Internet or LAN connection allows floor plan based control software to be operated anywhere on the network. For reference, the component shown on this data sheet is highlighted.

Ordering Information

Item #	Ordering Description	Field Bus	Modifiers
45278	EN-SW-SSUVIRT	GB2	–

Specifications

Virtual SSU Requirements

- Dual Core Processor or higher
- 120GB or higher HD space
- 2GB or higher RAM

Supported O/S

- Windows
- Other operating systems subject to approval by ENCELIUM® EXTEND LMS Specialist

For more details, consult factory representative.

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