

Technical Infos ENCELIUM SSU



The System Support Unit (SSU) serves as the database server for all data related to an ENCELIUM system. The SSU 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.

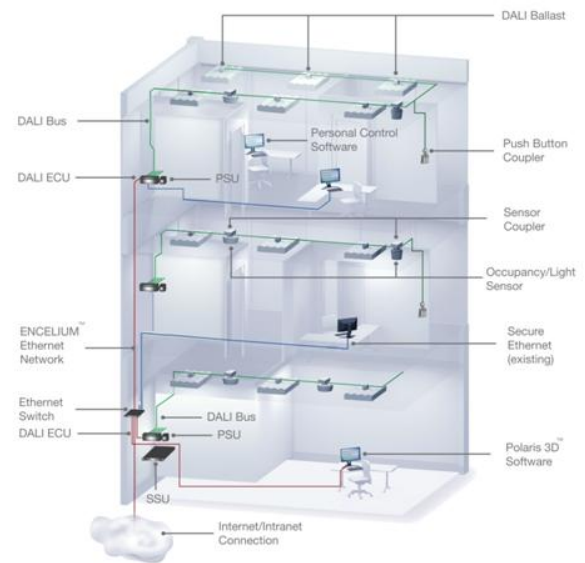
The SSU logs historical data regarding the system's operational and energy savings results.

The SSU 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.

It also hosts the web interface required for the web enabled Personal Control Software. In addition the optional building automation system Interface BACnet® is available upon request.

Each ENCELIUM system requires one SSU.

ENCELIUM Energy Management System Architecture



System Architecture

This illustration shows how each component is easily integrated into the ENCELIUM System. DALI is a daisy chain communication topology that supply data and power to the system components. Each light fixture, sensor, and wall controller is daisy-chained back to the Energy Control Unit (ECU). ECUs typically control individual floors and are linked via an Ethernet Network.

Internet or LAN connection allows control software to be operated anywhere on the network.

Data Specification

| | |
|-----------------------------|--|
| Type | Multi Core Server Processor |
| Operative System | Windows 7 |
| Supply voltage | 90-264 VAC 50/60Hz |
| Power consumption | 250W |
| Operating Temperature | 10 °C ... + 35 °C |
| Operating Relative Humidity | 10% to 90% (non-condensing) |
| Connections | 2 Ethernet ports (RJ45) 6 USB ports (2 x front, 2 x rear, 2 x internal) 1x eSata 1 x serial port 1 x VGA monitor |
| Weight | Max. 14.3 kg |
| Dimensions | 1U rach height with bezel 434 x 430 x 42.4 mm (w x d x h) |

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SSU ordering info

| Ordering Code - EAN | Ordering text | Description |
|---------------------|---------------|---------------------------------------|
| 4008321791535 | EN-SSU-1U | Encelium System Support Unit - Server |

Installation Notes

