Virtual Central Manager

Overview
The Fifth Light Virtual Central Manager is a virtualization-ready application tested and certified for a virtual environment powered by VMWare® software. The virtualization-ready application consists of the lighting management software application and the required operating system to run the application.

Similar to the Central Manager, the Virtual Central Manager acts as a system wide historian and global database that contains the system’s event journal, configuration files and interfaces that interact with third-party applications. These third-party interfaces include: BACNet, Web services (XML), Cisco® IP telephone, MechoSystems®, Somfy® and Embedia®.

The Virtual Central Manager allows users to manage their Fifth Light system via the LMS web-based interface. Any changes made from the Virtual Central Manager are then synchronized with each local controller on the system. If changes are made at the local controller, they will be captured in real-time by the Virtual Central Manager.

Features
In today’s economy, facility managers must find ways to do more with less, which means reducing operating costs while maintaining the building’s systems. The Fifth Light Virtual Central Manager provides the following benefits:

- **Reducing Hardware Cost** – With the Virtual Central Manager, there is no need for dedicated hardware to run the Central Manager.
- **Facility and Utility Cost** – In addition to removing the need for dedicated computer hardware, the Virtual Central Manager also reduces the space, power and maintenance required to run the lighting control system.
- **System Availability** – The Virtual Central Manager allows users to update their OS, applications and hardware without having to worry about disrupting daily building operations or having hardware/software compatibility issues.

Other benefits include:
- Central coordination of all lighting control panels on site
- Integration with third-party systems
- Intuitive, web-based user interface for system management
Virtual Central Manager

Specifications

<table>
<thead>
<tr>
<th>Supported Virtual Platform</th>
<th>VMWare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supported VMWare Software Release</td>
<td>From vSphere 5.0 to 5.5 Update2</td>
</tr>
<tr>
<td>Virtual Platform Disk Space Requirement</td>
<td>300 GB</td>
</tr>
<tr>
<td>Virtual RAM Allocation</td>
<td>4 GB (less than 15 LCPs), 12 GB (less than 50 LCPs)</td>
</tr>
</tbody>
</table>

Ordering

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSU-V</td>
<td>Virtual Central Manager</td>
</tr>
</tbody>
</table>

Notes:
1. VMWare image provided on DVD and USB
2. VMWare host machine not included
3. LMS software license and third-party interface licenses (BACNet, Shades, A/V) to be purchased separately

Sample System Topology

Clients

<table>
<thead>
<tr>
<th>Mobile App</th>
<th>Workstation with Browser</th>
<th>Wireless Access Point</th>
<th>Touch Screen</th>
</tr>
</thead>
</table>

Controllers

<table>
<thead>
<tr>
<th>Fifth Light Central Manager</th>
<th>Lighting Control Network</th>
<th>Fifth Light Lighting Control Panels (Up to 100 connected to Central Manager)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet</td>
<td>Network Switch</td>
<td>DALI Bus (Up to 32 Bus)</td>
</tr>
</tbody>
</table>

Input Devices

<table>
<thead>
<tr>
<th>Power In From Breaker</th>
<th>DALI LED Driver</th>
<th>DALI Dimmable Ballast</th>
<th>DALI Field Relay</th>
<th>DALI DAC 0-10 VDC</th>
<th>DALI Dimming Module</th>
</tr>
</thead>
</table>

End Devices

<table>
<thead>
<tr>
<th>DALI Relay Panel</th>
<th>Fifth Light Technology Lighting Control Panels (Up to 100 connected to Central Manager)</th>
</tr>
</thead>
</table>

Eaton

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