

# SCALABLE ENTERPRISE MANAGEMENT APPLICATION (SEMA) SOFTWARE

## KEY FEATURES

- Provides enterprise-wide infrastructure management including KVM switching, asset management and power monitoring
- Used with CenterBridge, CPI SEMA compatible Monitored and Controlled PDUs and PowerScope In-Line Meter
- Intuitive web-based interface with map-, room- and rack-level views of data centers – the graphical interface shows equipment in the rack-mount space it occupies in the rack
- Provides browser-based access to computers and network switches attached to CenterBridge
- Stores critical information about each device in a searchable, centralized data base to track assets across your entire enterprise
- Provides temperature, humidity and per outlet (per device) power measurement and monitoring with current-usage reporting, power cycling and threshold alarms when used with SEMA-compatible, controlled CPI PDUs
- Creates current-usage reports – use the reports to identify power problems and optimize distribution of equipment

## APPLICATIONS

- The Scalable Enterprise Management Application (SEMA) software provides enterprise-wide infrastructure management including KVM switching, asset management and power monitoring.

## USE WITH

- CPI Cabinet Systems
- CenterBridge
- SEMA-compatible CPI PDUs
- PowerScope In-Line Meter
- LCD/KVM Console

## RELATED ACCESSORIES

- Electronic Locking System
- Remote Infrastructure Management (RIM-600) System



## SEMA Software:

- Enterprise-wide power monitoring and control through SEMA-compatible CPI PDUs and PowerScope In-Line Meters
- Enterprise-wide KVM switching through CenterBridge
- An intuitive interface lets you easily click through your network – assets are organized by data center, zone and rack/cabinet
- Track power demand for the most efficient use of available power

The Scalable Enterprise Management Application (SEMA) software is an infrastructure management application with a web-based interface that allows enterprise-wide KVM switching, asset management and power monitoring and control when used with CPI's CenterBridge, SEMA-compatible monitored or controlled PDUs and PowerScope In-Line Meter.

Featuring a graphical display with an intuitive interface, the SEMA software provides a map view of your corporate enterprise, data centers, zones in each data center, rack/cabinet rows in each data center zone and the equipment in each rack/cabinet. The software lets you associate the CenterBridge KVM switch and controllable PDUs with individual racks and devices so you can measure power use by device. Link multiple PDU outlets together to easily cycle power for redundant systems and log current use by specific time intervals or when there is a specific change in current to track power use and identify power problems. Configure attributes of the KVM switches and PDUs remotely and access devices remotely using the Internet Explorer web browser, store information about each connected device in the SQL Server database, search records by specific attributes, set alarm thresholds for current, temperature and humidity and receive warning notifications by email, page or Instant Message.

SEMA supports MicroSoft Active Directory, RADIUS and LDAP-based user authentication and provides password protected access. Administrators can create user accounts with three levels of user permissions (control, configure, administrator) and assign user group permissions down to the rack-level. Access to individual devices is authenticated separately using the company's standard procedures. SEMA simply permits easy web-based access to equipment through the CenterBridge letting you view the device through the boot up process. The SEMA software also supports USB port sharing and includes a terminal emulation program for access to CLI devices. All connections between a user and server are secure and use AES-256 bit encryption.

SEMA software is shipped installed on a 1U rack-mount server with Microsoft Server 2008 and SQL Server Express. SEMA software includes a base license, one year of support and a 50 node activation key. Each CenterBridge, PDU or PowerScope connection is one node. Order additional activation keys if the system has more than 50 nodes. Extended software support plans are also available.

See reverse for product selection. Contact CPI Technical Support for configuration assistance. The Technical Support Team assists customers and partners to solve IT infrastructure problems in a timely and accurate manner by understanding their requirements and creating practical and suitable CPI Solutions.



**SPECIFICATIONS**

- SEMA Software pre-installed on a 1U server
- Must be used with CenterBridge, monitored or controlled SEMA-compatible CPI PDUs and PowerScope In-Line Meter
- Installation Requires One Dedicated Server for SEMA
- Software Server Specification:
  - Dell R310 or equivalent, specified at purchase
  - 1U, 19"EIA rack-mount
  - O/S: Microsoft Windows Server 2008 R2, Standard Edition, pre-installed
  - D/B: Microsoft SQL Express, pre-installed
  - NIC: Dual Gigabit Network Adapter (1 LAN, 1 WAN)
  - Power Supply: Redundant 400 Watt
- Includes an activation key for 50 nodes (CenterBridge KVM Switches, PDUs, PowerScopes). Activation of additional nodes requires additional activation keys.
- Includes 1 year of software maintenance and updates. Additional coverage is available.

**ORDERING INFORMATION**

Scalable Enterprise Management Application (SEMA) Software		
Part Number	Description	Shipping Weight lb (kg)
36005-100	SEMA software, pre-installed on 1U server with base license, 50 node activation key an one year software support	50 (22.7)
36000-501	SEMA License with 10 Node Activation Key	2 (0.9)
36000-502	SEMA License with 50 Node Activation Key	2 (0.9)
36000-503	SEMA License with 100 Node Activation Key	2 (0.9)
36000-504	SEMA License with 500 Node Activation Key	2 (0.9)
36000-505	SEMA License with 1000 Node Activation Key	2 (0.9)
36000-506	SEMA License with Single Site Node Activation Key	2 (0.9)

*Note: SEMA Software includes a base license with 50 Node Activation Key. Order additional licenses as required as more nodes are deployed. The Single Site license covers unlimited nodes for a single site.*

1 Year Additional Support Plan		
36001-101	1 Year Additional Software Support for 50 to 100 Nodes	2 (0.9)
36001-102	1 Year Additional Software Support for 101 to 200 Nodes	2 (0.9)
36001-103	1 Year Additional Software Support for 201 to 500 Nodes	2 (0.9)
36001-104	1 Year Additional Software Support for 501 to 1000 Nodes	2 (0.9)
36001-105	1 Year Additional Software Support for 1001 to 2000 Nodes	2 (0.9)
36001-106	1 Year Additional Software Support for 2001 - Unlimited Nodes	2 (0.9)

*Note: Extend software support for an additional year. Select to match the number of nodes in your enterprise.*

2 Year Additional Support Plan		
36001-201	2 Year Additional Software Support for 50 to 100 Nodes	2 (0.9)
36001-202	2 Year Additional Software Support for 101 to 200 Nodes	2 (0.9)
36001-203	2 Year Additional Software Support for 201 to 500 Nodes	2 (0.9)
36001-204	2 Year Additional Software Support for 501 to 1000 Nodes	2 (0.9)
36001-205	2 Year Additional Software Support for 1001 to 2000 Nodes	2 (0.9)
36001-206	2 Year Additional Software Support for 2001 - Unlimited Nodes	2 (0.9)

*Note: Extend software support for two additional years. Select to match the number of nodes in your enterprise.*

3 Year Additional Support Plan		
36001-301	3 Year Additional Software Support for 50 to 100 Nodes	2 (0.9)
36001-302	3 Year Additional Software Support for 101 to 200 Nodes	2 (0.9)
36001-303	3 Year Additional Software Support for 201 to 500 Nodes	2 (0.9)
36001-304	3 Year Additional Software Support for 501 to 1000 Nodes	2 (0.9)
36001-305	3 Year Additional Software Support for 1001 to 2000 Nodes	2 (0.9)
36001-306	3 Year Additional Software Support for 2001 - Unlimited Nodes	2 (0.9)

*Note: Extend software support for three additional years. Select to match the number of nodes in your enterprise.*

