

KEY FEATURES

- Scalable, 42-port keyboard, video and mouse (KVM) switch
- Supports connections for up to 42 devices; add KVM ports as required
- Allows up to four users to simultaneously view different port connections
- Remote, browser-based access to connected computers over the IP network using Scalable Enterprise Management Application (SEMA) software
- Local access to connected computers from a separate CenterView KVM Console
- Switch between computers with a mouse-click
- Small-diameter Server Interface Module (SIM) Cables use less space in cable managers
- Auto-switching power supply allows international use; dual-input provides redundancy

APPLICATIONS

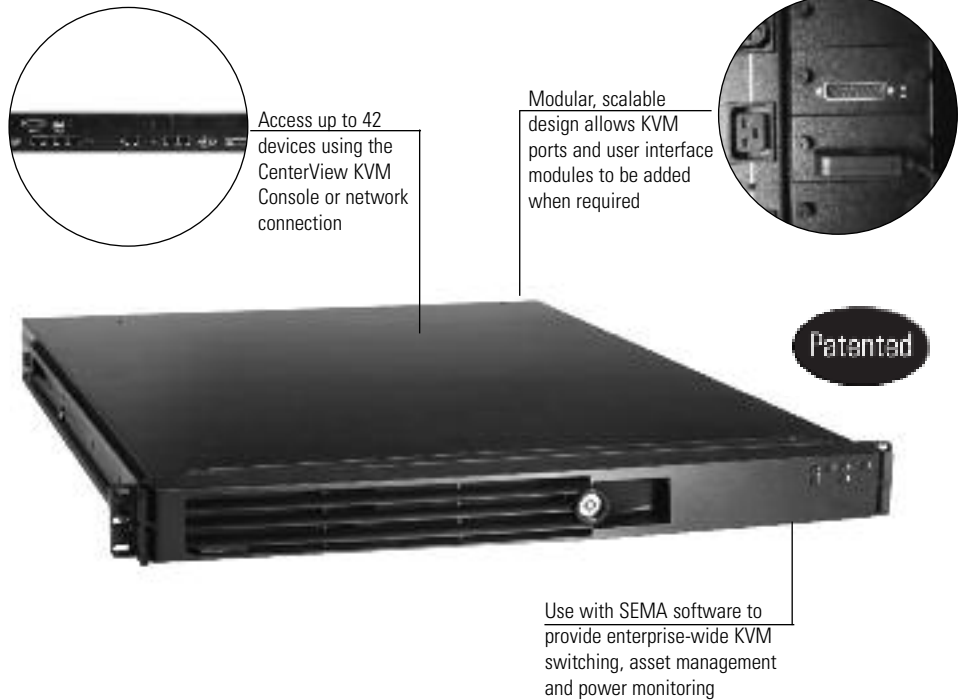
- CenterLine provides keyboard, video and mouse (KVM) switching for up to 42 devices (computers and switches) accessible from a local console or over the network.
- Use with SEMA software to provide enterprise-wide KVM switching, asset management and power monitoring from a single web-based interface

USE WITH

- CPI Cabinet Systems
- SEMA
- CenterView KVM Console
- CenterBridge
- Monitored and Controlled CPI PDUs
- PowerScope In-Line Meter

RELATED ACCESSORIES

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



The CenterLine is a 42-port keyboard, video, mouse (KVM) switch that utilizes only 1 RMU of space in 19"W EIA four-post cabinet or enclosure systems. Use the CenterLine with Scalable Enterprise Management Application (SEMA) software as part of an enterprise KVM switching solution.

Consuming only 1 RMU of space, the CenterLine offers a vertical column with 42 positions for Server Interface Module (SIM) Cards. Each SIM Card has a 25-pin connector for a SIM Cable – a break out cable that attaches to the device’s keyboard, video, mouse, USB and serial connections. In addition, the CenterLine includes four user interface module card positions for Local Interface Module (LIM) Cards or Remote Interface Module (RIM) Cards and a single Ethernet connection. LIM Cards present a connection point for an external CenterView that provides local access to the devices attached to the switch, while RIM Cards allow a single-user access to the switch through the Ethernet connection. Each card allows one user to access any of the attached servers and multiple users to access different servers simultaneously. In order to access the CenterLine KVM Switch, users must have the appropriate password. Standard CenterLine configurations include the control chassis, the vertical panel and a certain number of SIM, LIM and RIM Cards. Additional SIM, LIM and RIM Cards are ordered separately to match individual system requirements.

Connect the CenterLine to each computer with a SIM Cable. Choose from three styles of cables. All SIM Cables have a DB25 connector on the switch end. The standard cable has a VGA 15-pin video connector, a PS/2 keyboard connector, a PS/2 mouse connector, a USB connector and a 9-pin serial connector on the device end. There is also a version with no PS/2 connectors for systems with USB keyboard and mouse connections and a serial only cable for CLI devices.

The CenterLine is part of a complete networked enterprise KVM switch solution that includes CenterLine, CenterBridge, CenterView KVM Console, Monitored and Controlled CPI PDUs, PowerScope In-Line Meter and SEMA software.

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

- 42-port keyboard, video, mouse (KVM) switch
- For indoor use only, in environmentally controlled areas; may not be used outdoors, in harsh environments or in air-handling spaces
- Up to 42 KVM device connections (1 connection/SIM Card)
- Up to 4 users (1 connection/LIM or RIM Card)
- Control Chassis Size: 19"W x 1 RMU x 21"D (530 mm)
- Vertical Panel Size: 3.5"W x 73.5"H x 4"D (89 mm x 1867 mm x 100 mm)
- Supports Server Video Resolutions:
 - XGA 1024 x768 (recommended)
 - SVGA 800 x 600
 - VGA 640 x 480
- Supports PS/2 keyboard and mouse
- Supports USB 1.1 and 2.0 keyboard and mouse
- Supports Serial GUI through Serial Console Port with baud rate up to 115,200
- Input Connectors:
 - (42 max.) DB25 KVM SIM ports, for connection to computers (on vertical panel)
 - (1) SCSI data connection (connects control unit to vertical panel)
- Output Connectors:
 - (1-4) LIM Cards with (1) HD15 connector and (1) USB connector each for a CenterView KVM Console
 - (1) 10/100/1000 Ethernet connection, RJ-45
 - (1) 3-pin power connection (control unit to vertical panel)
- Input KVM Signals:
 - RGB analog video, PS/2 or USB keyboard and mouse or Serial GUI up to 115,200 baud
- Output KVM Signals:
 - RGB analog video, PS/2 keyboard and mouse through LIM Cards to external CenterView KVM Console
 - IP packets for TCP/IP network, viewable with IE 6.0 or later web browser as a http or https web page using 256 key length SSL encryption; server video resolution should be set to a maximum of 1024 x 768
- Security:
 - Password protected log on, requires SEMA software
 - Supports Microsoft Active Directory, RADIUS and LDAP-based authentication
- Electrical:
 - Power Input: dual-input, single-phase, 100 to 240 VAC, 50/60 Hz
 - Power Consumption: 1.0 Amp at 240 VAC, up to 1.8 Amp at 100 VAC
 - Power Inlet: (2) IEC60320 C-14
- Bonding/Grounding:
 - Grounded power plug
- Operating Conditions:
 - Temperature: 32 – 104°F (0 – 40°C)
 - Relative Humidity: 10% – 90%, non-condensing
 - Elevation: 0 – 10,000 feet (0 – 3048 meters)
 - Shock, Vibration: 5 Hz – 500 Hz, 0.5 g (0.1 octave/min)
 - Audible Noise: 60 db LpA
 - Heat Dissipation: 170 BTU/hr maximum
- Storage/Non-Operating Conditions:
 - Temperature: -4 – 140°F (-20 – 60°C)
 - Relative Humidity: 5% – 95%, non-condensing
 - Elevation: 0 – 30,000 feet (0 – 9144 meters)
 - Shock, Vibration: 5 Hz – 100 Hz, 1 g (0.1 octave/min); 100 Hz – 500 Hz, 1.5 g (0.2 octave/min); 500 Hz – 1000 Hz, 1.5 g (0.2 octave/min)
- Includes Rack/Cabinet Mounting Brackets:
 - Requires four-point (front/rear) support
 - Fits equipment mounting rails set 24" (610 mm) to 36" (910 mm) apart
- Included Cables:
 - (2) 6'L (1.8 m) IEC60320 C-13 to NEMA 5-15P power cords
 - (1) 3-pin power cable
 - (1) SCSI data cable
 - (1) 4'L (1.2 m) SIM Cable per SIM Card
 - (1) 6'L (1.8 m) LIM Cable per LIM Card
- Patented
- Finish: Black only

ORDERING INFORMATION

CenterLine KVM Switch		
Part Number	Description	Shipping Weight
35900-101	Includes 10 SIM cards, 1 RIM card, no LIM card	50 lb (22.7 kg)
35900-102	Includes 10 SIM cards, 1 RIM card, 1 LIM card	50 lb (22.7 kg)
35900-121	Includes 12 SIM cards, 1 RIM card, 1 LIM card	50 lb (22.7 kg)
35900-161	Includes 16 SIM cards, 1 RIM card, 1 LIM card	50 lb (22.7 kg)
35900-201	Includes 20 SIM cards, 1 RIM card, 1 LIM card	50 lb (22.7 kg)
35900-321	Includes 32 SIM cards, 2 RIM cards, 1 LIM card	50 lb (22.7 kg)

Note: Each SIM card includes one 4'L (1.2 m) SIM Cable with Video, PS/2, USB and Serial Connectors (P/N 35901-214). Each LIM Card includes one 6'L (1.8 m) LIM Cable. Order additional SIM Cards, RIM Cards, LIM Cards and cables separately.



Back View of CenterLine control chassis



Close Up of CenterLine Installed

ACCESSORIES



Server Interface Module (SIM) Card

The Server Interface Module (SIM) card plugs into the CenterLine vertical panel to provide a connection point for a single device (computer or switch). There are 42 positions in each vertical panel. SIM Cards attach to devices with SIM Cables. Each SIM Card includes a 4'L (1.2 m) SIM Cable with Video, PS/2, USB and Serial Connectors (P/N 35901-214). Other cables are available.

Part Number	Description	Shipping Weight
35900-001	Server Interface Module (SIM) Card	2 lb (0.9 kg)



Remote Interface Module (RIM) Card

The Remote Interface Module (RIM) Card plugs into the CenterLine control unit and gives a single-user access to the switch through the Ethernet/Internet connection. There are four positions in each control unit for RIM and/or LIM cards.

Part Number	Description	Shipping Weight
35900-003	Remote Interface Module (RIM) Card	2 lb (0.9 kg)



Local Interface Module (LIM) Card

The Local Interface Module (LIM) Card plugs into the CenterLine control unit to provide a connection point for an external CenterView KVM Console or CenterPoint KVM Switch/Console. The attached console only provides local KVM access. A LIM cannot be used to view devices that are attached to other CenterLine or CenterBridge KVM Switches over the network. The LIM Card has a single HD15 connector for the console and a USB connection that can be shared locally with attached devices. There are 4 positions in each control unit for RIM and/or LIM Cards. LIM Cards attach to the CenterView KVM Console with LIM Cables, a 6'L (1.8 m) LIM Cable is included with each LIM Card. Other cables are available.

Part Number	Description	Shipping Weight
35900-002	Local Interface Module (LIM) Card	2 lb (0.9 kg)



SIM Cable

The SIM Cable is used to connect a SIM Card to an individual computer. There are three SIM Cable styles.

- The standard cable has a DB25 connector on the switch end and a VGA 15-pin video connector, a PS/2 keyboard connector, a PS/2 mouse connector, a USB connector and a 9-pin serial connector on the computer end
- Cables are also available without PS/2 connectors and with a serial only connector
- Order one SIM Cable per computer; select the type as required

Part Number	Description	Shipping Weight
35901-214	SIM Cable with Video, PS/2, USB and Serial Connectors, 4'L (1.2 m)	2 lb (0.9 kg)
35901-234	SIM Cable with Video, USB and Serial Connectors, 4'L (1.2 m)	2 lb (0.9 kg)
35901-224	SIM Cable with Serial Connector, 4'L (1.2 m)	2 lb (0.9 kg)



LIM Cable

The LIM Cable is used to connect a LIM Card to a CenterView KVM Console.

- The LIM Cable has a male HD15 connector on each end
- Order one LIM Cable per LIM Card; select the length as required

Part Number	Description	Shipping Weight
35901-112	LIM Cable, 12'L (3.7 m)	2 lb (0.9 kg)
35901-120	LIM Cable, 20'L (6.1 m)	2 lb (0.9 kg)

Multi-Site Director

The Multi-Site Director creates a direct connection between the central SEMA server and CenterLines located at remote sites, providing the most efficient use of network bandwidth and best KVM switching performance when the CenterLines at the remote sites are in a different sub-net than the central server. The Multi-Site Director is a 1 RMU rack-mount server with a single power connection and two network connections for WAN and LAN.



Part Number	Description	Shipping Weight
35900-004	Multi-Site Director Unit	12 lb (5.4 kg)

