

Overview

Models

Base CMC Option Kit	203039-B21
CMC Sensors Option Kit	203039-B22
CMC Locking Option Kit	203039-B23
CMC Smoke Sensors Option Kit	203039-B24

Introduction

The Compaq Console Management Controller (CMC) is a key component for intelligent rack environmental monitoring and controlling. The Compaq Console Management Controller and associated options can be used for the monitoring and controlling of the environment within a single rack or two-rack suite. This includes control of sensors/alarms including temperature, humidity, smoke, vibration, security and rack fan controls within the base model and additional sensors and locking capabilities with the options.

The Compaq Console Management Controller is a 1U device and ships standard with Compaq Intelligent Rack Manager Lite (CIRaM Lite) software. This easy to use software program allows the user to monitor and manage the rack environment via Internet Explorer. CIRaM Lite has the following capabilities:

- Configuring the CMC
- Monitoring input voltage, temperature (up to two), humidity, smoke, mechanical shock/vibration or intrusion sensors
- Activating relay controls
- Logging all events
- Activating and monitoring up to two rack fan arrays
- Sending a Windows message, email message or pager notification

Target Applications and Markets

Network Administrators, System Administrators, Engineering Managers, Chief Information Officers, and Managers of Information Systems are all among the users who will see very tangible benefits from using the Compaq console management controllers.

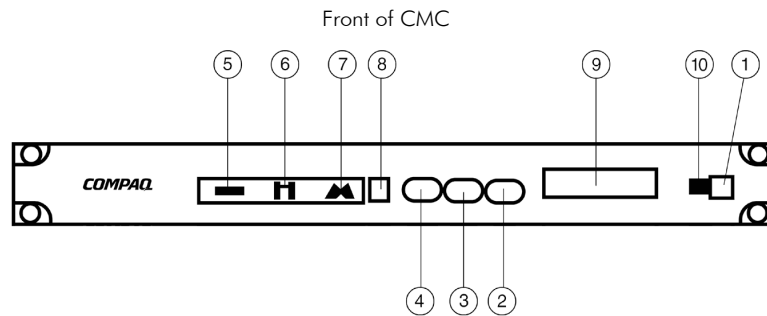
Features

The following are some of the features found in the base Console Management Controller (CMC)

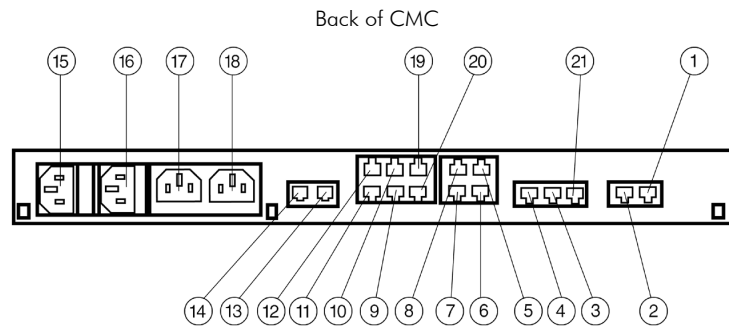
- 1U design and installation in standard 19" racks
- Ethernet communications port for data exchange with a host computer
- Four analog inputs: two temperature inputs, one humidity input and one voltage monitor for AC mains
- Two programmable fan output power controls
- Eight discrete inputs: four intrusion inputs, one smoke input, one mechanical shock/vibration input and two Aux. ports
- Two discrete inputs/outputs (for future use)
- Easy configuration via: the Intelligent Rack Manager Lite software, serial port on front panel, SNMP - TCP/IP, use inputs on front panel
- Audible and visual alarm indicators
- Monitoring of up to two racks
- Two user programmable alarm outputs, for rotating lights or other alarm devices (not included)

Overview

Diagram



- | | |
|------------------------|--------------------------------------|
| 1. Power Button | 6. Network LED |
| 2. Enter/Alarm Silence | 7. Serial communication LED |
| 3. Scroll Up | 8. Serial communication port (RJ-11) |
| 4. Escape | 9. LCD Display |
| 5. Alarm LED | 10. Power on LED |



- | | |
|--------------------------|---|
| 1. Ethernet Port | 12. Input Sensor #1 |
| 2. I2C port | 13. Relay output #2 |
| 3. Temperature sensor #1 | 14. Relay output #1 |
| 4. Temperature sensor #2 | 15. Main Power input |
| 5. Aux 1 | 16. Input voltage monitor/Power input for fan 1 & 2 |
| 6. Aux 2 | 17. Fan #1 |
| 7. Lock #2 | 18. Fan #2 |
| 8. Lock #1 | 19. Smoke sensor |
| 9. Input Sensor #4 | 20. Shock sensor |
| 10. Input Sensor #3 | 21. Humidity sensor |
| 11. Input Sensor #2 | |

Key Console Benefits

The Compaq Console Management Controller provide tangible benefits including -

- Prevents equipment damage due to theft, heat or tampering
- Facilitates unattended remote monitoring and controlling as well as on-site monitoring and controlling
- Notification of problems via SNMP to paging or e-mail systems
- Ability to install external alarms for notification of problems
- Supports state-of-the-art technology in the dense rack-mount product space
- Easy to use software package
- Reduced data center costs from efficient use of fans by turning them off when not needed

Overview

Models - Additional Information

Console Management Controller (CMC) Base Option Kit 203039-B21
The base model CMC kit contains 1 temperature sensor, 2 intrusion alert sensors, and a voltage monitor*.

*The CMC will display the voltage of the source connected to its AC input labeled "Voltage Monitor/Fan Input." (NOTE: This input is separate from the CMC main power input). If no voltage is applied to the Voltage Monitor/Fan Input, the console display will have the voltage graphic greyed out and will read OV. Alerts can be programmed to indicate that the AC voltage is over or under the acceptable voltage range as specified by the user.

Console Management Controller (CMC) Sensors Option Kit 203039-B22
This option kit can be purchased for additional sensors to be used with the base CMC kit. The sensor option kit contains 1 temperature sensor, 1 vibration sensor, 1 humidity sensor and 2 intrusion alert sensors.

Console Management Controller (CMC) Locking Option Kit 203039-B23
This option kit can be purchased for additional capability of locking to be used with the base CMC kit. The locking option kit allows authorized on-site personnel to be granted access to racks by having the ability to lock and unlock racks remotely. The kit contains hardware to be mounted on the front and rear doors and a motor with a power supply to allow for access to the racked equipment even when there is no power to the CMC or kit.

Console Management Controller (CMC) Smoke Sensor Option Kit 203039-B24
This option kit can be purchased in order to detect if smoke is apparent within the rack.

Specifications

Compaq Console Management Controller Base Kit	Dimensions	Height	1.72 in/4.37 cm
		Depth	4.25 in/11.43 cm
		Width	17.25 in/43.82 cm
	Shipping Dimensions	Weight	6.6 lbs/2.99 kg
		Height	9.69 in/24.61 cm
		Depth	13.25 in/33.66 cm
		Width	22.44 in/56.99 cm
	Temperature Range	Maximum Ambient Operating Temperature	50° to 122° F/10° to 50° C
		Ambient Storage and Shipping Temperature	-4° to 140° F/-20° to 60° C
	Relative Humidity (non-condensing)	Operating	5% to 95%
		Non-operating	5% to 95%
	Altitude	Operating	0 to 10,000 ft/0 to 3,048 m
		Non-operating	0 to 30,000 ft/0 to 9,144 m
BTU Rating		102.4	
Amperage		300mA	
Voltage		100 to 240 VAC, 50 to 60Hz	
CMC Sensors Option Kit	Shipping Dimensions	Height	2.50 in /63.5 mm
		Depth	21.25 in/539.75 mm
		Width	10 in/254 mm
		Weight	3.60 lbs/1.63 kg
CMC Locking Option Kit	Shipping Dimensions	Height	13.25 in/337 mm
		Depth	22.43 in/570 mm
		Width	9.88 in/251 mm
		Weight	14 lbs/6.4 kg
CMC Smoke Sensor Option Kit	Shipping Dimensions	Height	8.25 in/209.55 mm
		Depth	27 in/685.8 mm
		Width	11.75 in/539.75 mm
		Weight	8.0 lbs/3.63 kg

Service and Support, HP Care Pack and Warranty Information

- Software Product Services**
- Stand-alone telephone support
 - Rights to new license version
 - Media and documentation updates

- Hardware Product Services**
- Installation services
 - On-site maintenance (includes warranty support)
 - Response time upgrades during the warranty period
 - Post-warranty coverage
 - RAID setup and performance consulting via statement of work

For additional hardware installation and maintenance information, please refer to the URLs listed below:

http://h18005.www1.hp.com/services/carepaq/us/install/cp_storage.html

http://h18005.www1.hp.com/services/carepaq/us/hardware/cp_storage.html.

NOTE: These Web sites are available in English only.

- Warranty Upgrade Options**
- Response - Upgrade on-site response from next business day to same day 4 hours
 - Coverage - Extend hours of coverage from 5 days x 9 hours to 7 days x 24 hours
 - Duration - Select duration of coverage for a period of 1, 3, or 5 years

NOTE: Certain restrictions and exclusions apply. Consult the Customer Support Center for details.

HP Care Pack Information Sample part numbers:

- FM-**XHW-36, 3 year, uplift to 5 x 9, Next Day Response
 - FM-**4HR-36, 3 year, uplift to 5 x 9, 4-hour Response
 - FM-**724-36, 3 year, uplift to 7 x 24, 4-hour Response
- ** represents a two-digit, product-specific code
- HP Care Pack is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.
 - HP Care Pack is not available for less than the product's warranty duration.
 - HP Care Pack is available for sale anytime during the warranty period for most products, but the commencement date will be the same as the Warranty Start Date (delivery date to end user customer). Proof of purchase may be required.
 - HP Care Pack services are prepaid.

For additional HP Care Pack (hardware & software) information, as well as orderable part numbers, please refer to the URL listed below:

<http://h18005.www1.hp.com/services/carepaq/index.html>.

NOTE: This Web site is available in English only.

Components

The following brick-level options/components do not have individual CarePAQs. These items will be included in product HP Care Pack services into which they are installed.

Disk Drives	Tape Drives	CD/DVD ROM	SCSI Hubs in SBBs	Adapters
Bus Converters	Backplane RAID Controllers	Power Supplies	Cabling	Fans

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