



## CHAPTER 9

# Vendor-Specific Management Information Base

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This chapter describes the vendor-specific Management Information Base (MIB) text documents that are supported by Cisco Unified Communications Manager (Cisco Unified CM) and used with Simple Network Management Protocol (SNMP). It contains the following sections:

- [Vendor-Specific Management Information Base, page 9-1](#)
- [Supported Servers in Cisco Unified CM Releases, page 9-1](#)
- [IBM MIBs, page 9-11](#)
- [Hewlett Packard MIBs, page 9-13](#)
- [Intel MIBs, page 9-20](#)

## Vendor-Specific Management Information Base

The MIBs described in this chapter exist on various Cisco Media Convergence Servers (MCS), depending on vendor and model number. To query these MIBS, you can use the standard MIB browsers provided by the vendor. Go to the following URLs:

- For HP, go to <http://h18013.www1.hp.com/products/servers/management/hpsim/index.html> to download HP SIM.
- For IBM, go to <http://www-03.ibm.com/systems/management/director/index.html> to download IBM Systems Director.

## Supported Servers in Cisco Unified CM Releases

This section lists the supported server models and unsupported server models by MIB and by Cisco Unified CM Release. It contains the following subsections:

- [Cisco Unified CM Release 7.1\(2\), page 9-2](#)
- [Cisco Unified CM 7.1\(1\) Release, page 9-3](#)
- [Cisco Unified CM Release 7.0\(1\), page 9-4](#)
- [Cisco Unified CM Release 6.1\(3\), page 9-6](#)
- [Cisco Unified CM Release 6.1, page 9-7](#)
- [Cisco Unified CM Release 6.0, page 9-9](#)

## Cisco Unified CM Release 7.1(2)

**Table 9-1 Servers Available in Cisco Unified CM Release 7.1(2)**

Cisco Unified CM Release 7.1(2)		
IBM Server Models	HP Server Models	INTEL Server Model
• MCS-7815-I1-IPC1	• MCS-7816-H3-IPC1	• MCS-7816-C1
• MCS-7815-I2-IPC1	• MCS-7816-H4-IPC1/CCX1	
• MCS-7815-I3-IPC1	• MCS-7825H-3.0-IPC1	
• MCS-7816-I3-IPC1	• MCS-7825-H1-IPC1	
• MCS-7816-I4-IPC1/CCX1	• MCS-7825-H2-IPC1	
• MCS-7825I-3.0-IPC1	• MCS-7825-H3-IPC1	
• MCS-7825-I1-IPC1	• MCS-7825-H4-IPC1/CCE1/ CCX1/ECS1/RC1	
• MCS-7825-I2-IPC1	• MCS-7828-H3-IPC1	
• MCS-7825-I3-IPC1	• MCS-7835H-3.0-IPC1	
• MCS-7825-I4-IPC1/CCE1/ CCX1/ECS1/RC1	• MCS-7835-H1-IPC1	
• MCS-7828-I3-IPC1	• MCS-7835-H2-IPC1	
• MCS-7835I-3.0-IPC1	• MCS-7835-H2-IPC2/CCE2/ CCX2/RC2/ECS2	
• MCS-7835-I1-IPC1	• MCS-7845H-3.0-IPC1	
• MCS-7835-I2-IPC1	• MCS-7845-H1-IPC1	
• MCS-7835-I2-IPC2/CCE2/ CCX2/RC2/ECS2	• MCS-7845-H2-IPC1	
• MCS-7845I-3.0-IPC1	• MCS-7845-H2-IPC2/CCE2/ CCX2/RC2/ECS	
• MCS-7845-I1-IPC1	—	
• MCS-7845-I2-IPC1	—	
• MCS-7845-I2-IPC2/CCE2/ CCX2/RC2/ECS2	—	

### Inapplicable MIBs in Cisco Unified CM Release 7.1(2)

IBM-SYSTEM-POWER MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1
- MCS-7816-I4-IPC1/CCX1
- MCS-7825I-3.0-IPC1

- MCS-7825-I1-IPC1
- MCS-7825-I2-IPC1
- MCS-7825-I3-IPC1
- MCS-7825-I4-IPC1/CCE1/CCX1/ECS1/RC1
- MCS-7828-I3-IPC1

IBM-SYSTEM-RAID MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1
- MCS-7816-I4-IPC1/CCX1

HP CPQSM2 MIB does not apply to the following HP server model:

- MCS-7825H-3.0-IPC1

## Cisco Unified CM 7.1(1) Release

**Table 9-2** Servers Available in Cisco Unified CM Release 7.1(1)

Cisco Unified CM Release 7.1(1)	
IBM Server Models	HP Server Models
• MCS-7815-I1-IPC1	• MCS-7816-H3-IPC1
• MCS-7815-I2-IPC1	• MCS-7816-H4-IPC1/CCX1
• MCS-7815-I3-IPC1	• MCS-7825H-3.0-IPC1
• MCS-7816-I3-IPC1	• MCS-7825-H1-IPC1
• MCS-7816-I4-IPC1/CCX1	• MCS-7825-H2-IPC1
• MCS-7825I-3.0-IPC1	• MCS-7825-H3-IPC1
• MCS-7825-I1-IPC1	• MCS-7825-H4-IPC1/CCE1/CCX1/ECS1/RC1
• MCS-7825-I2-IPC1	• MCS-7828-H3-IPC1
• MCS-7825-I3-IPC1	• MCS-7835H-3.0-IPC1
• MCS-7825-I4-IPC1/CCE1/CCX1/ECS1/RC1	• MCS-7835-H1-IPC1
• MCS-7828-I3-IPC1	• MCS-7835-H2-IPC1
• MCS-7835I-3.0-IPC1	• MCS-7835-H2-IPC2/CCE2/CCX2/RC2/ECS2
• MCS-7835-I1-IPC1	• MCS-7845H-3.0-IPC1
• MCS-7835-I2-IPC1	• MCS-7845-H1-IPC1
• MCS-7835-I2-IPC2/CCE2/CCX2/RC2/ECS2	• MCS-7845-H2-IPC1
• MCS-7845I-3.0-IPC1	• MCS-7845-H2-IPC2/CCE2/CCX2/RC2/ECS2
• MCS-7845-I1-IPC1	—

**Table 9-2 Servers Available in Cisco Unified CM Release 7.1(1) (continued)**

Cisco Unified CM Release 7.1(1)	
• MCS-7845-I2-IPC1	—
• MCS-7845-I2-IPC2/CCE2/ CCX2/RC2/ECS2	—

## Inapplicable MIBs

IBM-SYSTEM-POWER MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1
- MCS-7816-I4-IPC1/CCX1
- MCS-7825I-3.0-IPC1
- MCS-7825-I1-IPC1
- MCS-7825-I2-IPC1
- MCS-7825-I3-IPC1
- MCS-7825-I4-IPC1/CCE1/CCX1/ECS1/RC1
- MCS-7828-I3-IPC1

IBM-SYSTEM-RAID MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1
- MCS-7816-I4-IPC1/CCX1

HP CPQSM2 MIB does not apply to the following HP server model:

- MCS-7825H-3.0-IPC1

## Cisco Unified CM Release 7.0(1)

**Table 9-3 Servers Available in Cisco Unified CM Release 7.0(1)**

Cisco Unified CM Release 7.0(1)	
IBM Server Models	HP Server Models
• MCS-7815-I1-IPC1	• MCS-7816-H3-IPC1
• MCS-7815-I2-IPC1	• MCS-7825H-3.0-IPC1
• MCS-7815-I3-IPC1	• MCS-7825-H1-IPC1
• MCS-7816-I3-IPC1	• MCS-7825-H2-IPC1

**Table 9-3 Servers Available in Cisco Unified CM Release 7.0(1) (continued)**

Cisco Unified CM Release 7.0(1)	
• MCS-7825I-3.0-IPC1	• MCS-7825-H3-IPC1
• MCS-7825-I1-IPC1	• MCS-7828-H3-IPC1
• MCS-7825-I2-IPC1	• MCS-7835H-3.0-IPC1
• MCS-7825-I3-IPC1	• MCS-7835-H1-IPC1
• MCS-7828-I3-IPC1	• MCS-7835-H2-IPC1
• MCS-7835I-3.0-IPC1	• MCS-7845H-3.0-IPC1
• MCS-7835-I1-IPC1	• MCS-7845-H1-IPC1
• MCS-7835-I2-IPC1/IPC2	• MCS-7845-H2-IPC1
• MCS-7845I-3.0-IPC1	—
• MCS-7845-I1-IPC1	—
• MCS-7845-I2-IPC1/IPC2	—
• MCS-7815-I1-IPC1	—

**Note**

IBM Model MCS-7835I-2.4-EVV1 is discontinued in this release.

**Note**

HP MCS-7825H-2.2-EVV1, MCS-7835H-2.4-EVV1, and MCS-7845H-2.4-EVV1 are discontinued in this release.

## Unsupported Servers by MIB

IBM-SYSTEM-POWER MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1
- MCS-7825I-3.0-IPC1
- MCS-7825-I1-IPC1
- MCS-7825-I2-IPC1
- MCS-7825-I3-IPC1
- MCS-7828-I3-IPC1

IBM-SYSTEM-RAID MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1

HP CPQSM2 MIB does not apply to the following HP server model:

- MCS-7825H-3.0-IPC1

## Cisco Unified CM Release 6.1(3)

**Table 9-4 Servers Available in Cisco Unified CM Release 6.1(3)**

Cisco Unified CM Release 6.1(3)		
IBM Server Models	HP Server Models	INTEL Server Models
• MCS-7815-I1-IPC1	• MCS-7816-H3-IPC1	• MCS-7816-C1
• MCS-7815-I2-IPC1	• MCS-7825H-2.2-EVV1	
• MCS-7815-I3-IPC1	• MCS-7825H-3.0-IPC1	
• MCS-7816-I3-IPC1	• MCS-7825-H1-IPC1	
• MCS-7825I-3.0-IPC1	• MCS-7825-H2-IPC1	
• MCS-7825-I1-IPC1	• MCS-7825-H3-IPC1	
• MCS-7825-I2-IPC1	• MCS-7828-H3-IPC1	
• MCS-7825-I3-IPC1	• MCS-7828-H4-BE	
• MCS-7828-I3-IPC1	• MCS-7835H-2.4-EVV1	
• MCS-7828-I4-BE	• MCS-7835H-3.0-IPC1	
• MCS-7835I-2.4-EVV1	• MCS-7835-H1-IPC1	
• MCS-7835I-3.0-IPC1	• MCS-7835-H2-IPC1	
• MCS-7835-I1-IPC1	• MCS-7845H-2.4-EVV1	
• MCS-7835-I2-IPC1/IPC2	• MCS-7845H-3.0-IPC1	
• MCS-7845I-3.0-IPC1	• MCS-7845-H1-IPC1	
• MCS-7845-I1-IPC1	• MCS-7845-H2-IPC1	
• MCS-7845-I2-IPC1/IPC2	—	

## Unsupported Servers by MIB

IBM-SYSTEM-POWER MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1
- MCS-7825I-3.0-IPC1
- MCS-7825-I1-IPC1
- MCS-7825-I2-IPC1
- MCS-7825-I3-IPC1
- MCS-7828-I3-IPC1

- MCS-7828-I4-BE

IBM-SYSTEM-RAID MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1

HP CPQSCSI MIB does not apply to the following HP server models:

- MCS-7816-H3-IPC1
- MCS-7825H-2.2-EVV1
- MCS-7825H-3.0-IPC1
- MCS-7825-H1-IPC1
- MCS-7825-H2-IPC1
- MCS-7825-H3-IPC1
- MCS-7828-H3-IPC1
- MCS-7828-H4-BE
- MCS-7835H-2.4-EVV1
- MCS-7835H-3.0-IPC1
- MCS-7835-H1-IPC1
- MCS-7835-H2-IPC1
- MCS-7845H-2.4-EVV1
- MCS-7845H-3.0-IPC1
- MCS-7845-H1-IPC1
- MCS-7845-H2-IPC1

HP CPQSM2 MIB does not apply to the following HP server models:

- MCS-7825H-2.2-EVV1
- MCS-7825H-3.0-IPC1

## Cisco Unified CM Release 6.1

**Table 9-5** Servers Available in Cisco Unified CM Release 6.1

Cisco Unified CM Release 6.1	
IBM Server Models	HP Server Models
• MCS-7815-I1-IPC1	• MCS-7816-H3-IPC1
• MCS-7815-I2-IPC1	• MCS-7825H-2.2-EVV1
• MCS-7815-I3-IPC1	• MCS-7825H-3.0-IPC1
• MCS-7816-I3-IPC1	• MCS-7825-H1-IPC1
• MCS-7825I-3.0-IPC1	• MCS-7825-H2-IPC1

Table 9-5 Servers Available in Cisco Unified CM Release 6.1 (continued)

Cisco Unified CM Release 6.1	
• MCS-7825-I1-IPC1	• MCS-7825-H3-IPC1
• MCS-7825-I2-IPC1	• MCS-7828-H3-IPC1
• MCS-7825-I3-IPC1	• MCS-7835H-2.4-EVV1
• MCS-7828-I3-IPC1	• MCS-7835H-3.0-IPC1
• MCS-7835I-2.4-EVV1	• MCS-7835-H1-IPC1
• MCS-7835I-3.0-IPC1	• MCS-7835-H2-IPC1
• MCS-7835-I1-IPC1	• MCS-7845H-2.4-EVV1
• MCS-7835-I2-IPC1/IPC2	• MCS-7845H-3.0-IPC1
• MCS-7845I-3.0-IPC1	• MCS-7845-H1-IPC1
• MCS-7845-I1-IPC1	• MCS-7845-H2-IPC1
• MCS-7845-I2-IPC1/IPC2	—

## Unsupported Servers by MIB

IBM-SYSTEM-POWER MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1
- MCS-7825I-3.0-IPC1
- MCS-7825-I1-IPC1
- MCS-7825-I2-IPC1
- MCS-7825-I3-IPC1
- MCS-7828-I3-IPC1

IBM-SYSTEM-RAID MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7815-I3-IPC1
- MCS-7816-I3-IPC1

HP CPQSCSI MIB does not apply to the following HP server models:

- MCS-7816-H3-IPC1
- MCS-7825H-2.2-EVV1
- MCS-7825H-3.0-IPC1
- MCS-7825-H1-IPC1
- MCS-7825-H2-IPC1
- MCS-7825-H3-IPC1

- MCS-7828-H3-IPC1
- MCS-7828-H4-BE
- MCS-7835H-2.4-EVV1
- MCS-7835H-3.0-IPC1
- MCS-7835-H1-IPC1
- MCS-7835-H2-IPC1
- MCS-7845H-2.4-EVV1
- MCS-7845H-3.0-IPC1
- MCS-7845-H1-IPC1
- MCS-7845-H2-IPC1

HP CPQSM2 MIB does not apply to the following HP server models:

- MCS-7825H-2.2-EVV1
- MCS-7825H-3.0-IPC1

## Cisco Unified CM Release 6.0

**Table 9-6** Servers Available in Cisco Unified CM Release 6.0

Cisco Unified CM Release 6.0		
IBM Server Models	HP Server Models	Dell Server Models
• MCS-7815-I1-IPC1	• MCS-7816-H3-IPC1	• PE2950
• MCS-7815-I2-IPC1	• MCS-7825H-2.2-EVV1	
• MCS-7816-I3-IPC1	• MCS-7825H-3.0-IPC1	
• MCS-7825I-3.0-IPC1	• MCS-7825-H1-IPC1	
• MCS-7825-I1-IPC1	• MCS-7825-H2-IPC1	
• MCS-7825-I2-IPC1	• MCS-7825-H3-IPC1	
• MCS-7828-I3-IPC1	• MCS-7828-H3-IPC1	
• MCS-7835I-2.4-EVV1	• MCS-7835H-2.4-EVV1	
• MCS-7835I-3.0-IPC1	• MCS-7835H-3.0-IPC1	
• MCS-7835-I1-IPC1	• MCS-7835-H1-IPC1	
• MCS-7835-I2-IPC1	• MCS-7835-H2-IPC1	
• MCS-7845I-3.0-IPC1	• MCS-7845H-2.4-EVV1	
• MCS-7845-I1-IPC1	• MCS-7845H-3.0-IPC1	
• MCS-7845-I2-IPC1	• MCS-7845-H1-IPC1	
• MCS-7825-I3-IPC1	• MCS-7845-H2-IPC1	

## Unsupported Servers by MIB

IBM-SYSTEM-POWER (UMSPower) MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7816-I3-IPC1
- MCS-7825I-3.0-IPC1
- MCS-7825-I1-IPC1
- MCS-7825-I2-IPC1
- MCS-7825-I3-IPC1
- MCS-7828-I3-IPC1

IBM-SERVERAID MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7825I-3.0-IPC1
- MCS-7825-I1-IPC1
- MCS-7825-I2-IPC1
- MCS-7835-I2-IPC1
- MCS-7845-I2-IPC1

IBM-SYSTEM-RAID MIB does not apply to the following IBM server models:

- MCS-7815-I1-IPC1
- MCS-7815-I2-IPC1
- MCS-7816-I3-IPC1

HP CPQSCSI MIB does not apply to the following HP server models:

- MCS-7816-H3-IPC1
- MCS-7825H-2.2-EVV1
- MCS-7825H-3.0-IPC1
- MCS-7825-H1-IPC1
- MCS-7825-H2-IPC1
- MCS-7825-H3-IPC1
- MCS-7828-H3-IPC1
- MCS-7835H-2.4-EVV1
- MCS-7835H-3.0-IPC1
- MCS-7835-H1-IPC1
- MCS-7835-H2-IPC1
- MCS-7845H-2.4-EVV1
- MCS-7845H-3.0-IPC1
- MCS-7845-H1-IPC1

- MCS-7845-H2-IPC1

HP CPQSM2 MIB does not apply to the following HP server models:

- MCS-7825H-2.2-EVV1
- MCS-7825H-3.0-IPC1

## IBM MIBs

**Table 9-7 IBM MIBs**

MIB	OID	Function
<b>Supported for browsing only</b>		
IBM-SYSTEM-HEALTH-MIB	1.3.6.1.4.1.2.6.159.1.1.30	Provides temperature, voltage, and fan status
IBM-SYSTEM-ASSETID-MIB	1.3.6.1.4.1.2.6.159.1.1.60	Provides hardware component asset data
IBM-SYSTEM-LMSENSOR-MIB	1.3.6.1.4.1.2.6.159.1.1.80	Provides temperature, voltage, and fan details
IBM-SYSTEM-NETWORK-MIB	1.3.6.1.4.1.2.6.159.1.1.110	Provides Network Interface Card (NIC) status
IBM-SYSTEM-MEMORY-MIB	1.3.6.1.4.1.2.6.159.1.1.120	Provides physical memory details
IBM-SYSTEM-POWER-MIB	1.3.6.1.4.1.2.6.159.1.1.130	Provides power supply details
IBM-SYSTEM-PROCESSOR-MIB	1.3.6.1.4.1.2.6.159.1.1.140	Provides CPU asset/status data
<b>Supported for system traps</b>		
IBM-SYSTEM-TRAP	1.3.6.1.4.1.2.6.159.1.1.0	Provides temperature, voltage, fan, disk, NIC, memory, power supply, and CPU details
IBM-SYSTEM-RAID-MIB	1.3.6.1.4.1.2.6.159.1.1.200	Provides RAID status

## IBM Status Messages

Table 9-8 IBM Hardware Status Messages, MIBs and Objects Names, and Object Responses

Cisco Unified CM Release 6.x		
MCS-78xx Status	MIBS and Object Names	Object Responses
System Fan	IBM-SYSTEM-LMSENSOR-MIB::ibmSystemTachometerStatus (also see ibmSystemTachometerKeyIndex)	<p>This is a string indicating the current status of the object. Various operational and non-operational statuses can be defined.</p> <p>Operational statuses are OK, Degraded and Pred Fail. Pred Fail indicates that an element may be functioning properly but predicting a failure in the near future. An example is a SMART-enabled hard drive.</p> <p>Non-operational statuses are Error, Starting, Stopping and Service. Service can apply during mirror-resilvering of a disk, reload of a user permissions list, or other administrative work.</p> <p>Not all such work is on-line, yet the managed element is neither OK nor in one of the other states.</p> <p>OK = Normal; Error = Critical</p>
Voltage Sensor	IBM-SYSTEM-LMSENSOR-MIB::ibmSystemVoltageSensorStatus (also see ibmSystemVoltageSensorKeyIndex)	<p>This is a string indicating the current status of the object. Various operational and non-operational statuses can be defined.</p> <p>Operational statuses are OK, Degraded and Pred Fail. Pred Fail indicates that an element may be functioning properly but predicting a failure in the near future. An example is a SMART-enabled hard drive.</p> <p>Non-operational statuses are Error, Starting, Stopping and Service. Service can apply during mirror-resilvering of a disk, reload of a user permissions list, or other administrative work. Not all such work is on-line, yet the managed element is neither OK nor in one of the other states.</p> <p>OK = Normal; Error = Critical</p>

Table 9-8 IBM Hardware Status Messages, MIBs and Objects Names, and Object Responses (continued)

Cisco Unified CM Release 6.x		
MCS-78xx Status	MIBS and Object Names	Object Responses
Thermal	IBM-SYSTEM-LMSENSOR-MIB::ibmSystemTemperatureSensorStatus (also see ibmSystemTemperatureSensorKeyIndex)	The Status property is a string indicating the current status of the object. Various operational and non-operational statuses can be defined. Operational statuses are OK, Degraded and Pred Fail. Pred Fail indicates that an element may be functioning properly but predicting a failure in the near future. An example is a SMART-enabled hard drive. Non-operational statuses can also be specified. These are Error, Starting, Stopping and Service. The latter, Service, could apply during mirror-resilvering of a disk, reload of a user permissions list, or other administrative work. Not all such work is on-line, yet the managed element is neither OK nor in one of the other states. OK = Normal; Error = Critical
Network Interface Card	IBM-SYSTEM-NETWORK-MIB::ibmSystemLogicalNetworkAdapterStatus (also see ibmSystemLogicalNetworkAdapterKeyIndex)	The online status of the adapter.
Logical Drive	IBM-SYSTEM-TRAP-MIB::ibmSystemRaidLogicalDriveStatus (also see ibmSystemRaidLogicalDriveKeyIndex)	The status of the logical drive
Physical Drive	IBM-SYSTEM-TRAP-MIB::ibmSystemRaidDiskDriveStatus & ibmSystemRaidControllerStatus (also see ibmSystemRaidDiskDriveKeyIndex & ibmSystemRaidControllerKeyIndex)	

## Hewlett Packard MIBs

Table 9-9 HP MIBs

MIB	OID	Function
<b>Supported for browsing and system traps</b>		
CPQSTDEQ-MIB	1.3.6.1.4.1.232.1	Provides hardware component configuration data
CPQSINFO-MIB	1.3.6.1.4.1.232.2	Provides hardware component asset data
CPQIDA-MIB	1.3.6.1.4.1.232.3	Provides RAID status/events
CPQHLTH-MIB	1.3.6.1.4.1.232.6	Provides hardware components status/events
CPQSTSYS-MIB	1.3.6.1.4.1.232.8	Provides storage (disk) systems status/events

Table 9-9 HP MIBs (continued)

MIB	OID	Function
CPQSM2-MIB	1.3.6.1.4.1.232.9	Provides iLO status/events
CPQTHRSH-MIB	1.3.6.1.4.1.232.10	Provides alarm threshold management
CPQHOST-MIB	1.3.6.1.4.1.232.11	Provides operating system information
CPQIDE-MIB	1.3.6.1.4.1.232.14	Provides IDE (CD-ROM) drive status/events
CPQNIC-MIB	1.3.6.1.4.1.232.18	Provides Network Interface Card (NIC) status/events

## HP Status Messages

Table 9-10 lists status messages, MIBs and OIDs, MIB object names and clearing values, and object responses.

**Table 9-10** HP Hardware Status Messages, MIBs and OIDs, MIB Object Names and Clearing Values, and Object Responses

**Cisco Unified CM Release 6.x**

MCS-78xx Status	MIB and OID	MIB Object Name and Clearing Value	Object Response
Logical Drive <sup>1</sup>	CPQIDA-MIB 1.3.6.1.4.1.232.3.2.3.1.1.4	cpqDaLogDrvStatus Clearing Value = 2	<p>The logical drive can be in one of the following states:</p> <ul style="list-style-type: none"> <li>• Ok (2) Indicates that the logical drive is in normal operation mode.</li> <li>• Failed (3) Indicates that more physical drives have failed than the fault tolerance mode of the logical drive can handle without data loss.</li> <li>• Unconfigured (4) Indicates that the logical drive is not configured.</li> <li>• Recovering (5) Indicates that the logical drive is using Interim Recovery Mode. In Interim Recovery Mode, at least one physical drive has failed, but the logical drive's fault tolerance mode lets the drive continue to operate with no data loss.</li> <li>• Ready Rebuild (6) Indicates that the logical drive is ready for Automatic Data Recovery. The physical drive that failed has been replaced, but the logical drive is still operating in Interim Recovery Mode.</li> <li>• Rebuilding (7) Indicates that the logical drive is currently doing Automatic Data Recovery. During Automatic Data Recovery, fault tolerance algorithms restore data to the replacement drive.</li> <li>• Wrong Drive (8) Indicates that the wrong physical drive was replaced after a physical drive failure.</li> <li>• Bad Connect (9) Indicates that a physical drive is not responding.</li> </ul>

**Table 9-10 HP Hardware Status Messages, MIBs and OIDs, MIB Object Names and Clearing Values, and Object Responses (continued)**

Cisco Unified CM Release 6.x			
MCS-78xx Status	MIB and OID	MIB Object Name and Clearing Value	Object Response
Physical Drive <sup>1</sup>	CPQIDA-MIB 1.3.6.1.4.1.232.3.2.5.1.1.6	cpqDaPhyDrvStatus Clearing Value = 2	<ul style="list-style-type: none"> <li>The following values are valid for the physical drive status:</li> <li>other (1) Indicates that the instrument agent does not recognize the drive. You may need to upgrade your instrument agent and/or driver software.</li> <li>ok (2) Indicates the drive is functioning properly.</li> <li>failed (3) Indicates that the drive is no longer operating and should be replaced.</li> <li>predictiveFailure(4) Indicates that the drive has a predictive failure error and should be replaced.</li> </ul>
System Fan	CPQHLTH-MIB 1.3.6.1.4.1.232.6.2.6.4	cpqHeThermalSystemFanStatus Clearing Value = 2	<p>This value will be one of the following:</p> <ul style="list-style-type: none"> <li>other(1) Fan status detection is not supported by this system or driver.</li> <li>ok(2) The fan is operating properly.</li> <li>degraded(2) A redundant fan is not operating properly.</li> <li>failed(4) A non-redundant fan is not operating properly.</li> </ul>
CPU Fan	CPQHLTH-MIB 1.3.6.1.4.1.232.6.2.6.5	cpqHeThermalCpuFanStatus Clearing Value = 2	<p>This value will be one of the following:</p> <ul style="list-style-type: none"> <li>other(1) Fan status detection is not supported by this system or driver.</li> <li>ok(2) The fan is operating properly.</li> <li>degraded(2) A redundant fan is not operating properly.</li> <li>failed(4) A non-redundant fan is not operating properly.</li> </ul>

**Table 9-10** HP Hardware Status Messages, MIBs and OIDs, MIB Object Names and Clearing Values, and Object Responses (continued)

Cisco Unified CM Release 6.x			
MCS-78xx Status	MIB and OID	MIB Object Name and Clearing Value	Object Response
Network Interface Card (NIC)	CPQNIC-MIB 1.3.6.1.4.1.232.18.2.3.1.1.13	cpqNicIfPhysAdapter State Clearing Value = 2 and 3	The following values are valid— <ul style="list-style-type: none"> <li>unknown(1) The instrument agent was not able to determine the status of the adapter. The instrument agent may need to be upgraded.</li> <li>ok(2) The physical adapter is operating properly.</li> <li>generalFailure(3) The physical adapter has failed.</li> <li>linkFailure(4) The physical adapter has lost link. Check the cable connections to this adapter.</li> </ul>
Thermal	CPQHLTH-MIB 1.3.6.1.4.1.232.6.2.6.1	cpqHeThermalCondition Clearing Value = 2	This value will be one of the following: <ul style="list-style-type: none"> <li>other(1) Temperature could not be determined.</li> <li>ok(2) The temperature sensor is within normal operating range.</li> <li>degraded(3) The temperature sensor is outside of normal operating range.</li> <li>failed(4) The temperature sensor detects a condition that could permanently damage the system.</li> </ul> <p><b>Note</b> The system automatically shuts down if the failed (4) condition occurs, so it is unlikely that 4 will ever be returned by the agent. If the cpqHeThermalDegradedAction is set to shut down (3), the system will shut down if the condition occurs.</p>

**Table 9-10 HP Hardware Status Messages, MIBs and OIDs, MIB Object Names and Clearing Values, and Object Responses (continued)**

Cisco Unified CM Release 6.x			
MCS-78xx Status	MIB and OID	MIB Object Name and Clearing Value	Object Response
Power Supply <sup>1</sup>	CPQHLTH-MIB 1.3.6.1.4.1.232.6.2.9.3.1.5	cpqHeFltToIPower SupplyStatus Clearing Value = 1	This value will be one of the following: <ul style="list-style-type: none"> <li>other(1) The status could not be determined or not present.</li> <li>ok(2) The power supply is operating normally.</li> <li>degraded(3) A temperature sensor, fan or other power supply component is outside of normal operating range.</li> <li>failed(4) A power supply component detects a condition that could permanently damage the system.</li> </ul>
NIC Errors	CPQNIC-MIB 1.3.6.1.4.1.232.18.2.3.1.1.16	cpqNicIfPhysAdapter GoodTransmits Clearing Value = <0.5% for 1 hour	Interface is experiencing excessive errors
	1.3.6.1.4.1.232.18.2.3.1.1.18	cpqNicIfPhysAdapter BadTransmits	
	1.3.6.1.4.1.232.18.2.3.1.1.17	cpqNicIfPhysAdapter GoodReceives	
	1.3.6.1.4.1.232.18.2.3.1.1.19	cpqNicIfPhysAdapter BadReceives	
NIC Utilization	CPQNIC-MIB 1.3.6.1.4.1.232.18.2.3.1.1.16	cpqNicIfPhysAdapter GoodTransmits Clearing Value = <50% for 1 hour	Interface is experiencing High Utilization
	1.3.6.1.4.1.232.18.2.3.1.1.18	cpqNicIfPhysAdapter BadTransmits	
	1.3.6.1.4.1.232.18.2.3.1.1.17	cpqNicIfPhysAdapter GoodReceives	
	1.3.6.1.4.1.232.18.2.3.1.1.19	cpqNicIfPhysAdapter BadReceives	

**Table 9-10** HP Hardware Status Messages, MIBs and OIDs, MIB Object Names and Clearing Values, and Object Responses (continued)

Cisco Unified CM Release 6.x			
MCS-78xx Status	MIB and OID	MIB Object Name and Clearing Value	Object Response
Memory Module Trap	1.3.6.1.4.1.232.6.3	cpqHe4CorrMem ReplaceMemModule See CPQHOST-MIB for information on the following trap variables: <ul style="list-style-type: none"> <li>• sysName</li> <li>• cpqHoTrapFlags</li> <li>• cpqHeResMemBoardIndex</li> <li>• cpqHeResMemModuleIndex</li> <li>• cpqHeResMemModuleSparePartNo</li> <li>• cpqSiMemModuleSize</li> <li>• cpqSiServerSystemId</li> </ul> Trap number is 6056 which replaces 6029.	A correctable memory log entry indicates a memory module needs to be replaced. The errors have been corrected, but the memory module should be replaced. The error information is reported in the variable cpqHeCorrMemErrDesc
78x5-H Insite Manager Service	HOST-RESOURCES-MIB 1.3.6.1.2.1.25.4.2.1.2	cmaeventd	Compaq Insite Manager Service Failure
		cmaf cad	
		cmahealthd	
		cmahostd	
		Positive String ID forcmaidad	
		cmaided	
		cmanicd	
		cmapeerd	
		cmaperfd	
		cmasm2d	
		cmastdeqd	
cmathreshd			

1. Unavailable for MCS-7825H

## Intel MIBs

Table 9-12 lists Intel MIBs, OID, and functions. See “Intel Status Messages” section on page 9-20 for descriptions of messages.

**Table 9-11 Intel MIBs**

MIB	OID	Function
<b>Supported for browsing and system traps</b>		
INTEL-SERVER-BASEBOARD6	1.3.6.1.4.1.343.2.10.3.6.200	Denotes the power group and describes voltage probes, status, and readings
	1.3.6.1.4.1.343.2.10.3.6.300	Denotes the thermal group and describes cooling devices, fans, and temperature probes
	1.3.6.1.4.1.343.2.10.3.6.10	Denotes the instances of cooling devices
	1.3.6.1.4.1.343.2.10.3.6.20	Denotes the status, reading, and threshold for every cooling device and fan
	1.3.6.1.4.1.343.2.10.3.6.30	Denotes the instances of temperature probes
	1.3.6.1.4.1.343.2.10.3.6.40	Denotes the status, reading, thresholds for every temperature probe
	1.3.6.1.4.1.343.2.10.3.6.1000	Denotes the events group and describes power, thermal, and system events

## Intel Status Messages

Table 9-12 lists status messages, MIBs and OIDs, MIB object names and clearing values, and object responses.

**Table 9-12 Intel Hardware Status Messages, MIBs and Objects Names, and Object Responses**

Cisco Unified CM Release 7.x		
MCS-78xx Status	MIBS and Object Names	Object Responses
Power	INTEL-SERVER-BASEBOARD6::powerEvents	
System	INTEL-SERVER-BASEBOARD6::systemEvents	
Thermal	INTEL-SERVER-BASEBOARD6::thermalEvents	