Cisco 7800 Series Media Convergence Servers Service Processor Compatibility Matrix

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Purpose

The *Cisco 7800 Series Media Convergence Servers Service Processor Compatibility Matrix* summarizes Cisco 7800 Series Media Convergence Servers compatibility with service processors and the features of the service processor types that are supported by Cisco.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

CHAPTER 1

Service Processor Compatibility Matrix

- Cisco 7800 Series Media Convergence Servers Service Processor Compatibility, page 1

Cisco 7800 Series Media Convergence Servers Service Processor Compatibility

The table below shows Cisco 7800 Series Media Convergence Servers (MCS) compatibility with the following service processor types:

- Remote Supervisor Adapter II (RSA II)
- Integrated Management Module (IMM)
- Integrated Lights-Out 2 (iLO 2)

Table 1: Cisco 7800 Series Media Convergence Servers Service Processor Compatibility

Cisco 7800 Series Media Convergence Servers server model	Is this model compatible with this service processor?			Comments
	RSA II	IMM	iLO 2	
IBM server models				
MCS-7815-I1	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7815-I2	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.

Cisco 7800 Series Media Convergence Servers server model	Is this model compatible with this service processor?			Comments
	RSA II	IMM	iLO 2	
MCS-7816-I3	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7816-I4-IPC1/CCX1	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7816-I5-IPC1/CCX1		Yes		The server does not ship with IMM enabled. You must order a dongle from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed dongle prior to shipping.
MCS-7825-I2	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7825-I3	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7825-I4-IPC1	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7825-I5-IPC1		Yes		The server does not ship with IMM enabled. You must order a dongle from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed dongle prior to shipping.

Cisco 7800 Series Media Convergence Servers server model	Is this model compatible with this service processor?			Comments
	RSA II	IMM	iLO 2	
MCS-7828-I3	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7828-I4-SS1	Yes			The server does not ship with RSA II. You must order RSA II from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed service processor prior to shipping.
MCS-7828-I5-SS1		Yes		The server does not ship with IMM enabled. You must order a dongle from IBM and install it. Contact your IBM account team for assistance. If you ship your server to Cisco for replacement, remove an installed dongle prior to shipping.
MCS-7835-I1	Yes			The server ships with RSA II installed. If you ship your server to Cisco for replacement, do not remove the installed service processor prior to shipping.
MCS-7835-I2	Yes			The server ships with RSA II installed. If you ship your server to Cisco for replacement, do not remove the installed service processor prior to shipping.
MCS-7835-I3-IPC1		Yes		The server ships with IMM enabled. If you ship your server to Cisco for replacement, do not remove the dongle that is required to activate IMM prior to shipping.
MCS-7845-I1	Yes			The server ships with RSA II installed. If you ship your server to Cisco for replacement, do not remove the installed service processor prior to shipping.
MCS-7845-I2	Yes			The server ships with RSA II installed. If you ship your server to Cisco for replacement, do not remove the installed service processor prior to shipping.
MCS-7845-I3-IPC1		Yes		The server ships with IMM enabled. If you ship your server to Cisco for replacement, do not remove the dongle that is required to activate IMM prior to shipping.
HP server models				

Cisco 7800 Series Media Convergence Servers server model	Is this model compatible with this service processor?			Comments
	RSA II	IMM	iLO 2	
MCS-7816-H3			Yes	The server does not ship with iLO 2 software and a license. You must order iLO 2 software and a license from HP. Contact your HP account team for assistance.
MCS-7825-H2			Yes	The server does not ship with iLO 2 software and a license. You must order iLO 2 software and a license from HP. Contact your HP account team for assistance.
MCS-7825-H3			Yes	The server does not ship with iLO 2 software and a license. You must order iLO 2 software and a license from HP. Contact your HP account team for assistance.
MCS-7825-H4			Yes	The server does not ship with iLO 2 software and a license. You must order iLO 2 software and a license from HP. Contact your HP account team for assistance.
MCS-7828-H3			Yes	The server does not ship with iLO 2 software and a license. You must order iLO 2 software and a license from HP. Contact your HP account team for assistance.
MCS-7828-H4			Yes	The server does not ship with iLO 2 software and a license. You must order iLO 2 software and a license from HP. Contact your HP account team for assistance.
MCS-7835-H2-IPC1			Yes	The server ships with iLO 2 software and a license.
MCS-7835-H2-IPC2			Yes	The server ships with iLO 2 software and a license.
MCS-7845-H2-IPC1			Yes	The server ships with iLO 2 software and a license.
MCS-7845-H2-IPC2			Yes	The server ships with iLO 2 software and a license.
DL380G6			Yes	The server ships with iLO 2 software and a license.

Cisco supports the Cisco Integrated Management Controller (CIMC) and Cisco Unified Computing System Manager (UCS Manager) on Cisco Unified Computing System servers. CIMC and UCS Manager are not supported on MCS. For more information about CIMC and UCS Manager, see Cisco Unified Computing System Service Processor and Management Software, on page 17.

CHAPTER 2

Remote Supervisor Adapter II

- Remote Supervisor Adapter II Supported Features, page 5
- Enable Remote Supervisor Adapter II, page 6
- Set Up Remote Supervisor Adapter II, page 6
- Manage Remote Supervisor Adapter II, page 6
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Remote Supervisor Adapter II Supported Features

Cisco 7800 Series MCS IBM servers support the following Remote Supervisor Adapter II (RSA II) features:

- Remote Console Access
- Remote Power Control

Other RSA II features are not supported by Cisco. Unified Communications applications are not integrated with RSA II firmware, software, licensing, or user interfaces.

RSA II Remote Console Access

An administrator can access the RSA II remote console with a web browser.

RSA II Remote Power Control

RSA II provides full remote power control over the server with power-on, power-off, and restart actions. Use the **System** > **Task** > **Power/Restart** menu path to access the remote power control features.

The following Server Power / Restart Control functions are supported:

- Power On Server Immediately
- Power On Server at Specified Time
- Shut Down OS and then Power Off Server

- Shut Down OS and then Restart Server
- Schedule Daily/Weekly Power and Restart Actions

The following Server Power / Restart Control functions are not supported:

- Power Off Server Immediately
- Restart the Server Immediately

Note Use the unsupported Server Power / Restart Control functions only if the supported Server Power / Restart Control functions do not work.

Enable Remote Supervisor Adapter II

For information about which Cisco 7800 Series MCS IBM servers ship with RSA II hardware installed, see Cisco 7800 Series Media Convergence Servers Service Processor Compatibility, on page 1.

To enable RSA II on Cisco 7800 Series MCS IBM servers that do not ship with the service processor installed, you must order the RSA II hardware directly from IBM and install it. Contact your IBM account team for assistance.

For more information about RSA II part numbers, see https://www-947.ibm.com/support/entry/myportal/docdisplay?lndocid=MIGR-64946.

Set Up Remote Supervisor Adapter II

For information about the setup and configuration of RSA II, see IBM documentation at https://www-947.ibm.com/support/entry/myportal/documentation.

Manage Remote Supervisor Adapter II

To manage updates to RSA II, use the latest Firmware Upgrade CD appropriate for your server.

To check for the latest Firmware Upgrade CD from http://www.cisco.com, follow this procedure.

Procedure

Step 1 Select **Support** > **Download Software**.

Step 2 Navigate to **Products** > **Voice and Unified Communications** > **Communications Infrastructure** > **Voice Servers** > **Cisco 7800 Series Media Convergence Servers**.

Step 3 Select your server model.

Remote Supervisor Adapter II Caveats

When you run the RSA II service processor, note the following:

- You can use Java on any OS for remote access to RSA II.
- If RSA II locks due to an abrupt disconnect and is not available, remove power from the server and then power on the server to restore operation. You can use the RSA II remote power control feature to remove power from the server and to power on the server. You lose connectivity during this operation.
- You lose connectivity during a firmware upgrade.

CHAPTER 3

Integrated Management Module

- Integrated Management Module Supported Features, page 9
- Enable Integrated Management Module, page 10
- Set Up Integrated Management Module, page 10
- Manage Integrated Management Module, page 10
- Integrated Management Module Caveats, page 11

Integrated Management Module Supported Features

Cisco 7800 Series MCS IBM servers support the following Integrated Management Module (IMM) features:

- Remote Console Access
- Remote Power Control

Other IMM features are not supported by Cisco. Unified Communications applications are not integrated with IMM firmware, software, licensing, or user interfaces.

IMM Remote Console Access

An administrator can access the IMM remote console with a web browser.

IMM Remote Power Control

IMM provides full remote power control over the server with power-on, power-off, and restart actions. Use the **System** > **Task** > **Power/Restart** menu path to access the remote power control features.

The following Server Power / Restart Control functions are supported:

- Power On Server Immediately
- Power On Server at Specified Time
- Shut Down OS and then Power Off Server

- Shut Down OS and then Restart Server
- Schedule Daily/Weekly Power and Restart Actions

The following Server Power / Restart Control functions are not supported:

- Power Off Server Immediately
- Restart the Server Immediately

Note Use the unsupported Server Power / Restart Control functions only if the supported Server Power / Restart Control functions do not work.

Enable Integrated Management Module

In Cisco 7800 Series MCS IBM servers, the IMM hardware is embedded in the motherboard. For information about which Cisco 7800 Series MCS IBM servers ship with IMM enabled, see Cisco 7800 Series Media Convergence Servers Service Processor Compatibility, on page 1.

To enable IMM on Cisco 7800 Series MCS IBM servers that do not ship with IMM enabled, you must order the dongle that is required to activate IMM directly from IBM and install it. Contact your IBM account team for assistance.

For more information about IMM dongle part numbers, see http://www.redbooks.ibm.com/abstracts/tips0849.html.

Set Up Integrated Management Module

For information about the setup and configuration of IMM, see IBM documentation at http://www.redbooks.ibm.com/abstracts/tips0849.html.

Manage Integrated Management Module

To manage updates to IMM, use the latest Firmware Upgrade CD appropriate for your server.

To check for the latest Firmware Upgrade CD from http://www.cisco.com, follow this procedure.

Procedure

Step 1 Select **Support** > **Download Software**.

Step 2 Navigate to **Products** > **Voice and Unified Communications** > **Communications Infrastructure** > **Voice Servers** > **Cisco 7800 Series Media Convergence Servers**.

Step 3 Select your server model.

Integrated Management Module Caveats

When you run the IMM service processor, note the following:

- You can use Java on any OS for remote access to IMM.
- If IMM locks due to an abrupt disconnect and is not available, remove power from the server and then power on the server to restore operation. You can use the IMM remote power control feature to remove power from the server and to power on the server. You lose connectivity during this operation.
- You lose connectivity during a firmware upgrade.

CHAPTER 4

Integrated Lights-Out 2

- Integrated Lights-Out 2 Supported Features, page 13
- Enable Integrated Lights-Out 2, page 14
- Set Up Integrated Lights-Out 2, page 14
- Manage Integrated Lights-Out 2, page 14
- Integrated Lights-Out 2 Caveats, page 15

Integrated Lights-Out 2 Supported Features

Cisco 7800 Series MCS HP servers support the following Integrated Lights-Out 2 (iLO 2) features:

- Graceful power shutdown
- Cold boot

Other iLO 2 features are not supported by Cisco. Unified Communications applications are not integrated with iLO 2 firmware, software, licensing, or user interfaces.

iLO 2 Graceful Power Shutdown

Procedure

Step 1 Select the **System Status** tab.

Step 2 On the Status Summary page, select the **Momentary Press** button.

Step 3 When prompted, confirm the Momentary Press request.

iLO 2 Cold Boot

Note Because the OS does not have an opportunity to shut down, a cold boot may corrupt the file system. Perform a cold boot only if a graceful power shutdown fails to return system control to the administrator.

Procedure

Step 1 Select the **Power Management** tab.

Step 2 On the Server Power Controls page, select the **Cold Boot** button.

Step 3 When prompted, confirm the Cold Boot request.

Enable Integrated Lights-Out 2

In Cisco 7800 Series MCS HP servers, the iLO 2 hardware is embedded in the motherboard.

For information about which Cisco 7800 Series MCS HP servers ship with iLO 2 software and a license, see Cisco 7800 Series Media Convergence Servers Service Processor Compatibility, on page 1. If your Cisco 7800 Series MCS HP server does not ship with iLO 2 software and a license, you must order the software and a license directly from HP. Contact your HP account team for assistance.

Set Up Integrated Lights-Out 2

For information about the setup and configuration of iLO 2, see HP documentation at http://h18013.www1.hp.com/products/servers/management/remotemgmt.html.

Manage Integrated Lights-Out 2

To manage updates to iLO 2, use the latest Firmware Upgrade CD appropriate for your server.

To check for the latest Firmware Upgrade CD from http://www.cisco.com, follow this procedure.

Procedure

Step 1 Select **Support** > **Download Software**.

Step 2 Navigate to **Products** > **Voice and Unified Communications** > **Communications Infrastructure** > **Voice Servers** > **Cisco 7800 Series Media Convergence Servers**.

Step 3 Select your server model.

Integrated Lights-Out 2 Caveats

When you run the iLO 2 service processor, note the following:

- iLO 2 is licensed and you require a key for remote access to the console. You can access the GUI without a key.
- You must use Internet Explorer (Windows only) for remote access to iLO 2.
- If iLO 2 locks due to an abrupt disconnect and is not available, remove power from the server and then power on the server to restore operation.
- You lose connectivity during a firmware upgrade.

APPENDIX A

Cisco Unified Computing System Service Processor and Management Software

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- Cisco Unified Computing System Manager, page 17

Cisco Integrated Management Controller

Use the Cisco Integrated Management Controller (CIMC) web-based GUI or SSH-based CLI to access, configure, administer, and monitor a Cisco Unified Computing System server. For more information about the installation and configuration of CIMC, see the documentation at http://www.cisco.com/en/US/products/ps10493/products_configuration_example09186a0080b10d66.shtml.

Cisco Unified Computing System Manager

Cisco Unified Computing System Manager (UCS Manager) manages a Cisco Unified Computing System as a single entity through an intuitive GUI, a command-line interface (CLI), or an XML API for comprehensive access to all Cisco UCS Manager functions. For more information about UCS Manager, see the documentation at http://www.cisco.com/en/US/products/ps10281/products_installation_and_configuration_guides_list.html.