



IBM 7315-CR3 Rack-mounted Hardware Management Console enables logical partitioning and clustering on IBM @server pSeries POWER4 servers

Overview

The IBM 7315-CR3 Rack-mounted HMC is a dedicated system unit that gives you a GUI for configuring and operating multiple pSeries® POWER4™ servers in either SMP, LPAR, or clustered environments. It comes with the HMC for POWER4 Licensed Machine Code feature preloaded.

Manage LPAR configurations using these HMC functions:

- Creating and storing LPAR profiles that define the processor, memory, and I/O resources allocated to an individual partition
- Starting, stopping, and resetting a system partition
- Booting a partition or system by selecting a profile
- Displaying system and partition resources and status
- Displaying a virtual operator panel of the contents of each partition or controlled system

The HMC offers a service focal point for the systems it controls. It is connected to the service processor of the system via a dedicated serial link. The HMC provides tools for problem determination and service support, such as call-home and error log notification, through an analog phone line.

A renewable remote support offering governed by the Agreement for Machine Control Program Remote Support (5771-RS1 or 5773-RS3) is available for 7315 models. This support offers ongoing telephone assistance for routine installation, configuration, and usage (how-to) questions. One year of remote support is required for all new orders.

This HMC model is a dedicated-function device used solely to provide control and service functions to the pSeries servers it supports. It is not available as a general purpose computing resource.

Key Prerequisites

A pSeries POWER4 server that supports an HMC

Planned availability date

February 18, 2005

At a Glance

The IBM 7315-CR3 Rack-mounted Hardware Management Console (HMC) system unit delivers functions to attached pSeries POWER4 servers:

- Control logical partitioning (LPAR).
- Control clustered servers.
- Control Capacity Upgrade on Demand (CUoD) resources.
- Control system service from a single focal point.
- Create and store system and partition profiles.
- Boot, start, and stop the system or individual partitions.
- Display system and partition resources and status.
- Easily create and store configuration backup information using an imbedded DVD-RAM.

Description

The 7315-CR3 Rack-mounted HMC has the following hardware attributes:

- Intel™ XEON-based rack-mounted workstation
 - 1 U tall
 - Mounts in a 19-inch system rack
- 1 GB of system memory
- 160 GB SATA HDD
- DVD-RAM for backup
- One integrated serial port
- One graphics port
- Two integrated 10/100/1000 Mbps Ethernet ports
- Three USB ports
- Two PCI slots
- Optional chargeable external diskette drive

Various native language keyboards are available for the HMC. The HMC display menus and control information have been translated into the following languages:

- English
- French
- German
- Hungarian
- Italian
- Japanese
- Russian
- Slovakian
- Spanish

If redundant HMC function is desired, the pSeries POWER4 servers can be attached to two separate HMCs. The HMC supports pSeries POWER4 servers with the HMC for POWER4 Licensed Machine Code feature. The HMC for POWER5™ Licensed Machine Code feature is available for those situations where the POWER4 server environment is replaced with a POWER5 environment.

Accessibility by people with disabilities

The IBM 7315-CR3 Rack-mounted HMC is planned to be capable as of February 18, 2005, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Reference information

Refer to Product Announcement letter ZG05-0118 dated January 25, 2005, for withdrawal of IBM 7315-C03 and CR2 and 7310-C03 and CR2 Hardware Management Consoles.

Refer to Product Announcement letter ZG05-0117 dated January 25, 2005, for IBM 7315-C04 Hardware Management Console.

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