



IBM 7310-CR3 Rack-mounted Hardware Management Consoles perform resource management for configuring and operating IBM @server POWER5 servers

Overview

The IBM 7310-CR3 Rack-mounted Hardware Management Console (HMC) is a dedicated workstation that allows you to configure and manage partitions and Capacity on Demand on POWER5™ servers. An integrated hardware management application helps you configure and partition the server through a GUI.

In addition, operating system console support is provided for IBM @server i5/OS using a 5250 programming interface. This can potentially save the cost of a separate IBM @server i5 console.

The 7310 HMC helps you manage LPAR configurations to:

- Create and store LPAR profiles that define the processor, memory, and I/O resources allocated to an individual partition
- Start, stop, and reset a system partition
- Boot a partition or system by selecting a profile
- Display system and partition status
- Display a virtual operator panel of the contents for each partition or controlled system

The IBM @server p5 590 and 595 and @server i5 595 must have access to an HMC. An HMC is required to manage any POWER5 server when Capacity Upgrade on Demand is implemented.

The HMC offers a service focal point for the systems it controls. It is connected to a dedicated port on the service processor of the POWER5 system via an Ethernet connection. The Ethernet connections from HMC to @server p5 590 and 595 and @server i5 595 must be via private LAN, whereas other POWER5 systems can be either private or public. LAN tools are available for determining problems and providing service support, such as call-home and error log notification, through a modem or the Internet.

Multiple POWER5 processor-based servers can be supported by one HMC, located locally or remotely attached.

Key Prerequisites

A POWER5 server that supports an HMC

Planned availability date

February 18, 2005

At a Glance

The IBM 7310-CR3 Rack-mounted Hardware Management Console (HMC) is a dedicated workstation for system and partition control of POWER5 servers.

The HMC delivers:

- Logical partitioning (LPAR) control
- Capacity on Demand resource control
- Creation and storage system and partition profiles
- Boot, start, and stop actions for the system or individual partitions
- Ability to display system and partition resources and status
- An imbedded DVD-RAM for easily creating and storing configuration backup information
- A service focal point with tools for determining problems and providing service support through the Internet or modem
- Remote sharing support for i5/OS system console sessions through the 5250 Console Proxy
- @server p5 environments controlled by IBM Cluster Systems Management (CSM) V1.4, or later
- Renewable Agreement for Machine Control Program Remote Support

This announcement is provided for your information only. For additional information, contact your IBM representative.

Description

The Model 7310-CR3 has the following standard hardware attributes:

- Intel™ XEON-based, rack-mounted workstation
 - 1U tall
 - Mounts in a 19-inch system rack
- 1 GB of system memory
- 160 GB Serial ATA 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

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