

Article Overview

Huawei rack servers are configured through BIOS and iBMC, with network, RAID, and power settings managed via the iBMC WebUI or console.

Initial BIOS and iBMC Configuration

To set up a Huawei server from factory defaults, first enter BIOS setup by pressing DEL during boot. Use the default password Huawei12#\$ (or Admin@9000 for newer models like XH321 V5) and adjust for national keyboard layouts if necessary . Key BIOS settings include:

- o Boot Type: Set to UEFI.
- o Boot Order: Configure PXE, CD, or Hard Disk as needed.
- o Advanced Power Management: Set Power Policy to Performance for HPC workloads.
- o Processor Configuration: Enable or disable Hyper-Threading depending on workload.
- o PXE Configuration: Record Ethernet MAC addresses and verify PXE settings. After changes, press F10 to save and exit .

iBMC Management

Huawei servers use iBMC (V300 or later) for remote management, supporting IPMI, CLI, Redfish, HTTPS, and SNMP interfaces . Key iBMC features:

- o Remote KVM and virtual media for OS installation and maintenance.
- o Hardware monitoring: temperature, voltage, fan, and PSU management.
- o Fault detection and alarms for 24/7 operation.
- o Active/standby backup for high availability.
- o Smart Provisioning: install OS, configure RAID, and perform upgrades without physical media.
- o Network configuration: supports DHCP or static IP, VLAN, and NC-SI for flexible management networking. Access iBMC via WebUI using the default credentials: username root and password Huawei12#\$. After login, configure network settings, monitor hardware, and manage virtual KVM sessions.

RAID Configuration

RAID is configured through the iBMC WebUI:

- o Navigate to Information > Component Info or System Info.
- o Identify the RAID controller card.
- o Follow the specific RAID controller guide for creating or modifying RAID arrays .



Huawei Server Rack System Settings

Network and Rack Management

For intelligent racks (iMetal servers), use the CloudDC console:

- o View rack details, including physical location, dimensions, rated power, and server count.
- o Manage tags and network/server management modes.
- o Import/export rack data in XLSX format for inventory or auditing .

Power and Connectivity

Huawei rack servers support multiple PSU options (460 W, 750 W, 800 W, 1200 W AC/DC) with redundancy. Connect external devices via VGA, USB, network ports (10GE/56G IB), and ensure proper Ethernet connections for iBMC and server management .

Best Practices

- o Change default passwords immediately for security.
- o Use DHCP for initial iBMC IP assignment, then consider static IP for production.
- o Monitor system health via iBMC and configure alerts.
- o Document MAC addresses and network settings for PXE boot and management. By following these steps, Huawei rack servers can be fully configured, monitored, and maintained efficiently, ensuring optimal performance and reliability.

Huawei servers seem to have a factory default BIOS as well as iBMC password which is printed on a label on top of the chassis: ...

O&M (Multimedia) (Video) Huawei Server LSI SAS3108 RAID Controller Card Configuration (Video)
Huawei Server LSI SAS3008

Rack Server: Access product manuals, HedEx documents, product images and visio stencils.

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This document describes only the commands used to deploy and maintain Huawei servers. It does not include the following

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This section describes the indicators and buttons on the TaiShan 2280 server.

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Huawei Technical Support

Enabling the Service System to Manage iBMC Users In the OS User Management area, set User Management to . Click Save. If

What are the key technical specifications of the Huawei TaiShan 200 Series Server? The key technical specifications for the Huawei

Support Documentation Kunpeng Computing TaiShan 200 Servers TS200-2180 Operation & Maintenance User Guide

Commands for server manufacturing, assembling, and factory inspection and repair. Commands for engineering implementation or

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