

Cisco Baseboard Management Controller Release Notes

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Revision History

Table 1:

Revision	Date	Description
A0	December 09, 2024	Created release notes for 1.0.0.240001 for the following servers: <ul style="list-style-type: none">• Cisco UCS C885A M8 Rack Server

Overview of the Cisco UCS C885A M8 Rack Server

The Cisco UCS C885A M8 Rack Server is a dense-GPU server designed to deliver massive, scalable accelerated compute capabilities to address the most demanding AI workloads, including deep learning/ Large Language Model (LLM) training, model fine-tuning, large model inferencing, and Retrieval-Augmented Generation (RAG).

To deliver massive accelerated compute performance in a single server, the server offers a choice of eight GPUs of the following types:

- NVIDIA[®] H100 SXM or NVIDIA[®] H200 Server PCI Express Module (SXM) GPUs. SXM is a socket-based GPU interconnect method used by NVIDIA GPUs.
- AMD MI300X OCP Accelerator Model (OAM) GPUs. OAM is an Open Compute GPU interconnect standard that avoids GPU vendor lock in.

For north-south traffic, the server also supports one NVIDIA Bluefield-3 B3220 DPU to scale AI model training across a cluster of dense-GPU servers. Up to eight NVIDIA ConnectX-7 or Bluefield-3 B3140H SuperNIC are supported for east-west traffic between GPUs.

Introduction

The Cisco Baseboard Management Controller (Cisco BMC) web GUI is HTML5 based and added security with SSL (HTTPS). It helps you manage the Cisco UCS C885A M8 Rack Server using the following options:

Hardware and Component Management

The Inventory feature enables administrators to record hardware devices and components on each server, such as central processing units (CPUs), memory modules, hard drives, network cards, and more.

Status and Checks

The Inventory feature also provides status and checks for hardware and software devices. This information can include device health status, temperature, voltage, connection status, and more.

Supported Platforms

The following servers are supported in release 1.0.0.240001:

- Cisco UCS C885A M8 Rack Server

Operating System and Browser Requirements

Cisco recommends the following browsers:

Table 2: Operating System and Browser Requirements

Recommended Browser	Version Tested	Minimum Recommended Operating System
Mozilla Firefox	132.0.2 (AArch64)	macOS 15.1 (24B83)
	132.0 (64-bit)	Ubuntu 20.04.3 LTS
	132.0.2 (64-bit)	Microsoft Windows 11 Enterprise
Apple Safari	Version 18.1 (20619.2.8.11.10)	macOS 15.1 (24B83)
Google Chrome	131.0.6778.71 (64-bit)	Microsoft Windows 11 Enterprise
Microsoft Edge	131.0.2903.51 (64-bit)	Microsoft Windows 11 Enterprise

Default Ports

Following is a list of server ports and their default port numbers:

Port Name	Port Number
HTTP	80
HTTPS	443
SSH	22
SSH (SSH based SOL)	2200

Port Name	Port Number
IPMI	623

Firmware Files

The 1.0.0.240001 software release includes the following software files:

CCO Software Type	File Name
Firmware for OOB (BMC, BIOS, GPU, and FPGA) and In Band (ConnectX7, Bluefield, and OCP) components.	ucs-c885a-m8-1.0.0.240001.tar.gz
Upgrade script and Readme file	ucs-c885a-m8-upgrade-script-v1.0.tar.gz

Open Caveats

Open Caveats in Release 1.0.0.240001

The following defects are open in Release 1.0.0.240001:

Defect ID	Symptom	Workaround	First Affected Release
CSCwn01691	Certain BMC configurations such as NTP, LDAP, and Power Cap revert to their default disabled state following a BMC update.	There is no known workaround.	1.0.0.240001
CSCwn34288	GPU firmware updates for both AMD and Nvidia models may fail across all servers when attempted through the Cisco IMC Web UI or Redfish API. This issue is observed during firmware updates.	Update GPU firmware using the host-based utility provided by the GPU manufacturer.	1.0.0.240001

Known Behaviors and Limitations

Known Behaviors and Limitations in Release 1.0.0.240001

The following caveats are known limitations in release 1.0.0.240001:

Defect ID	Symptom	Workaround	First Affected Release
CSCwn16450	Cisco UCS C885A M8 Rack ServerH100 variant, updating the HIB FPGA firmware may sometimes result in the host failing to power on, due to a power unit failure. This issue has been observed with certain firmware updates.	Perform an AC power cycle to ensure the activation of the FPGA and GPU firmware updates.	1.0.0.240001

Related Documentation

For more information, you can access related documents from the following links:

- [Cisco UCS C885A M8 Rack Server Installation and Service Guide.](#)
- [Cisco Baseboard Management Controller Configuration Guide.](#)