Hewlett Packard Enterprise

HPE Moonshot System Management Portfolio

IT made easy—simplify management of your growing data center

HPE Moonshot System

Use only what you need
Avoid paying for IT you're not using, with workload-optimized systems

Do more with less
Make better use of your data center space and power, and reduce complexity

Freedom to innovate
Respond more quickly to business needs, and stay on the leading edge of technology

HPE Moonshot System lets you redefine what's possible by enabling you to optimize application performance, deliver breakthrough economics, and accelerate business innovation in your data center.

Redefine what's possible with HPE Moonshot System

To get the best value out of your Moonshot investment, you need server management tools that ease complexity, control costs, and scale to meet the changing requirements of your growing data center.

HPE Moonshot System's server management portfolio is designed to provide comprehensive server management capabilities such as health and power monitoring, workload provisioning and firmware maintenance to help you deploy and maintain Moonshot Systems with ease. And picking the one that's right for your needs has never been easier.

HPE Moonshot Management Portfolio

As IT environments continue to grow in order to support new business needs, you need server management tools that ease complexity, control costs, and scale to meet the changing requirements of your growing data center.

HPE Moonshot System's server management is designed to provide comprehensive capabilities such as health and power monitoring, and firmware maintenance to help you deploy and maintain Moonshot Systems with ease.

The HPE Moonshot Management Software portfolio includes:

	HPE Moonshot 1500 Chassis Management Module	HPE Moonshot Provisioning Manager	HPE Moonshot Remote Console Administrator	HPE SUM	HPE Insight CMU
Your needs	Health monitoring and power management capability for HPE Moonshot System	An intuitive, scalable, and easy-to-access tool to help IT administrators provision HPE Moonshot Systems	Hardware solution that provides 1:1 node connection allowing remote console and virtual media capabilities for a x86 Moonshot server cartridge	Firmware maintenance only	Leveraging management capabilities that are built and optimized for large-scale deployments
Product capabilities					
Firmware maintenance	Yes, utilizes HPE SUM	No	No	Yes	No
Health monitoring	Yes	No	No	No	Yes
Power monitoring	Yes	No	No	No	Yes
"At-a-glance" per server view	Yes	Yes	No	No	Yes
Provision and deploy workloads	No	Yes	Yes	No	Yes
Built for large-scale deployments	No	Yes	No	No	Yes
Maximus	All	All	x86 Moonshot server cartridges	All	All

The HPE Moonshot 1500 Chassis Management Module is the gateway for aggregated chassis management

HPE Moonshot 1500 Chassis Management Module

Health and power monitoring

Included with your HPE Moonshot System, the HPE Moonshot 1500 Chassis Management Module is the gateway for aggregated chassis management. As a single point of access to the chassis, the HPE Moonshot 1500 Chassis Management Module allows you to configure, update, and operate the HPE Moonshot System via a CLI, a Graphical User Interface (GUI), Intelligent Platform Management Interface (IPMI), or remote serial console access.

The HPE Moonshot 1500 Chassis Management Module provides a method to configure the HPE Moonshot 1500 Chassis, to incorporate a standard configuration into the deployment process, and to control servers and subsystems, using the available commands:

- Manage and monitor the chassis, cartridges, switches, fans, and power supplies

- Customize workflows and scripts with a fully programmable, industry-standard interface (RESTful API)

- Update component firmware via HPE SUM

- Manage component replacement and updates

- Control the server power state

- Access server boot serial streams

- Receive automatic alerts from the chassis via SNMP Traps

- Send commands via iLO firmware and host servers using the simple command line tools and via a Graphical User Interface (GUI)

HPE Insight CMU enables large-scale provisioning and streamlined management of HPE Moonshot System.

HPE Moonshot Remote Console Administrator

The HPE Moonshot Remote Console Administrator (mRCA) allows users to have access to keyboard, video monitors and a mouse in a headless environment. It enables users to remote console (on a node per node basis) for the initial golden OS image installation (Windows® or Linux®) assistance, virtual media functionality for mounting an image to boot, and in addition the mRCA can be used as debug/crash tool. **Click here**, for additional technical information.

HPE Moonshot Provisioning Manager

An intuitive, scalable, and easy-to-access tool to help IT administrators deploy and manage HPE Moonshot Systems, the HPE Moonshot Provisioning Manager distributed as a virtual machine image (VMware® .ova file and Microsoft® Hyper-V .vhd file compatible), provides the user with a simple graphical user interface enabling an "at-a-glance" view of all the available nodes within one or more Moonshot Systems, allowing the ability to efficiently deploy Operating Systems to any available nodes. **Click here**, for additional technical information.

HPE Smart Update Manager

Automated, agentless firmware and driver maintenance

Included with your HPE Moonshot System, HPE Smart Update Manager (SUM) provides an automated way to update firmware and drivers on your HPE Moonshot System. This is achieved via browser-based GUI or a command-line interface (CLI)/scriptable interface for increased flexibility and adaptability to your needs.

An integrated discovery engine finds installed hardware and current versions of firmware and software on target servers, preventing extraneous network traffic by sending only the required components to a target host. HPE SUM installs updates in the correct order and ensures that all dependencies are met before deploying an update. It also minimizes downtime by deploying all updates while the target servers are online, limiting the downtime to a single reboot at most.

HPE SUM does not require an agent for remote installations, and gives you the choice between fully guided operation and a completely interactive mode for increased control over the upgrade process.

With its agentless operation, efficient device discovery, baseline management, and download acquisition, completed by built-in interdependency information and extensive reporting, HPE SUM offers a reliable way of keeping your HPE Moonshot System up-to-date.

HPE Insight Cluster Management Utility

Management purpose-built for large-scale deployments

HPE Insight Cluster Management Utility (CMU) is an efficient and robust hyperscale lifecycle management framework and suite of tools for managing operations and performance of HPE Moonshot System. It provides multiple ways of quickly identifying and addressing intra-node configuration anomalies and resource utilization to better manage performance.

Designed for scalability and managing a large number of compute nodes, HPE Insight CMU is the perfect fit for HPE Moonshot System. It features a monitoring GUI that enables an "at-a-glance" view of the entire Moonshot System, allowing you to see the complete behavior of the system, bypassing the need to analyze the performance of individual compute nodes.

From HPE Insight CMU you can halt, boot, reboot, or power off any selection of nodes. You can connect to several nodes in the cluster and broadcast commands to them from a single keyboard session. HPE Insight CMU also has the capability to provision a system configuration to all or a subset of the compute nodes in the cluster and provides highly efficient monitoring and remote management even as a cluster grows to thousands of nodes.

HPE Insight CMU enables cost-effective, user-friendly, and error-free management for large-scale deployments of HPE Moonshot System.

Learn more at
hpe.com/info/moonshot

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