## Overview

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 will 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. The remote console features of the HPE Moonshot Remote Console Administrator (mRCA) allows an administrator to interface with the HPE Moonshot Server Cartridge (at a node level), and one can share the local inputs from keyboard and mouse as well as video output. The HPE Moonshot Remote Console Administrator (mRCA) also enables a user to mount remotely shared disk-images as if they were connected to the system. In combination with the remote console, this gives administrators the ability to completely re-install an **operating system**, a task which traditionally required local **console** access to the physical machine.
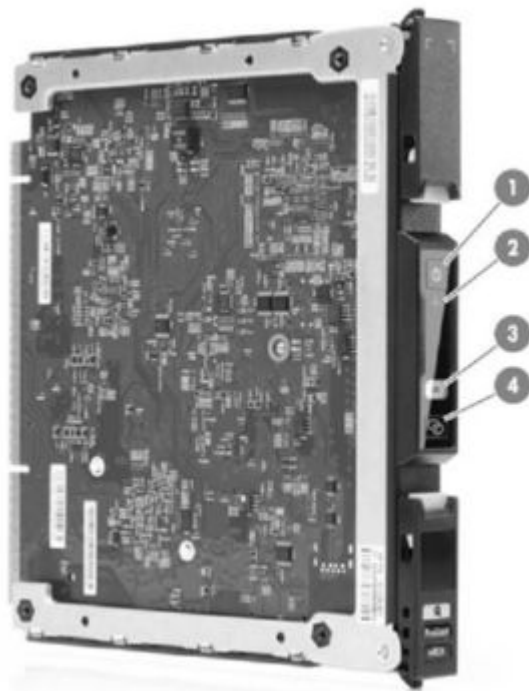
Rear View:	
Item	**Description**
1	Cartridge power LED/button
2	Cartridge health LED
3	Cartridge UID LED/button
4	Cartridge link LED/button*

*The cartridge link LED flashes for 10 seconds after the link button is pressed.
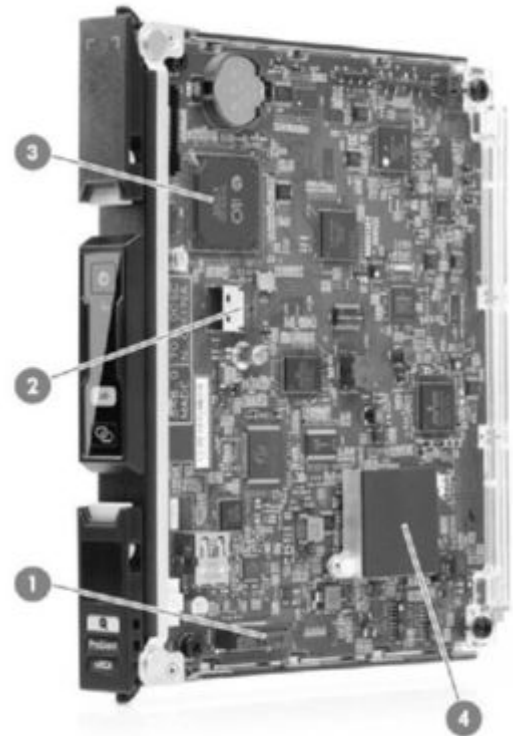
Front View	
Item	**Description**
1	M.2 connector (not enabled)
2	SAS connector (not enabled
3	HPE iLO4 chip
4	PCIe switch and heatsink

Standard Features

Models

HPE Moonshot Remote Console Administrator	806843-B21

Processor
HPE integrated Lights Out 4 (iLO4)

Form Factor
HPE Moonshot Remote Console Administrator a card that plugs into the HPE Moonshot 1500 System.
NOTE: The mRCA is not supported in a HPE Edgeline System.

Remote Interfaces
Keyboard, Video, Mouse, and Virtual Media for the connected node in the respective supported HPE ProLiant Server Cartridges*

*Supported Cartridges
HPE ProLiant m350 Server Cartridge
HPE ProLiant m300 Server Cartridge
HPE ProLiant m700 Server Cartridge
HPE ProLiant m700p Server Cartridge
HPE ProLiant m710 Server Cartridge
HPE ProLiant m710p Server Cartridge
NOTE: The mRCA is not required for new server cartridges such as the HPE m510 or m710x that have an embedded integrated Lights-Out (iLO4) management processor. Instead these servers provide out-of-box virtual KVM and virtual Media capabilities that can be directly accessed through the iLO CM web GUI in a Moonshot 1500 System.

Physical Interfaces
x1 PCIE to 1 of 4 adjacent cartridge nodes

Storage
vMedia

Power
~20W

Interfaces
Cartridge power LED/button
Cartridge health LED
Cartridge UID LED/button
Cartridge link LED/button

Industry Standard Compliance
PXE Support
PCIe 3.0

Standard Features

Firmware
HPE iLO 4

This product is covered by a global limited warranty and supported by Hewlett Packard Enterprise Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners resellers. Hardware diagnostic support and repair is available for three years from date of purchase. Support for initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HPE support services or customized service agreements.

NOTE: Chassis Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support. Cartridge Warranty includes 3-Year Parts, 0-Year Labor, 0-Year Onsite support. Additional information regarding worldwide limited warranty and technical support is available at:

http://h20564.www2.hpe.com/hpsc/wc/public/home

Service and Support

Service and Support
HPE Technology Services
HPE Technology Services delivers confidence, reduces risk and helps customers realize agility and stability. Connect to Hewlett Packard Enterprise to help prevent problems and solve issues faster. Our support technology lets you to tap into the knowledge of millions of devices and thousands of experts to stay informed and in control, anywhere, any time.
Protect your business beyond warranty with HPE Services
HPE Services enable you to order the right service level, length of coverage and response time as you purchase your new server, giving you full entitlement for the selected support.

Recommended HPE Services for your HPE product
(4 and 5 year Service offerings are also available)
Optimized Care
Foundation Care 24x7, three-year Service
HPE Foundation Care 24x7 connects you to Hewlett Packard Enterprise 24 hours a day, seven days a week for assistance on resolving issues. Hardware onsite response within four hours if needed. Collaborative software included in this service provides troubleshooting assistance on industry leading software running on your HPE server. Simplify your support experience and make Hewlett Packard Enterprise your first call for hardware or software questions.
https://www.hpe.com/h20195/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en

Standard Care
Foundation Care NBD, three-year Service
HPE Foundation Care Next Business Day (NBD) gives you support during business hours for assistance on resolving issues – features next business day hardware onsite response if needed and software with a call back within two hours. Collaborative software support is included and provides troubleshooting assistance on industry leading software running on your HPE server. Simplify your support experience and make Hewlett Packard Enterprise your first call for hardware or software
Questions. **https://www.hpe.com/h20195/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en**

Related Services
HPE Moonshot Installation & Startup Service
HPE Installation and Startup Service for the Moonshot System provides for the installation of one system and its associated ProLiant server cartridges and network switches, as well as operating system deployment and basic configuration of OS network parameters to establish network connectivity

HPE Datacenter Care service
HPE Datacenter Care helps you improve IT stability and security, increase the value of IT, and enable agility and innovation. It is a structured framework of repeatable, tested, and globally available services "building blocks." You can deploy, operate, and evolve your datacenter wherever you are on your IT journey. With HPE Datacenter Care, you benefit from a personalized relationship with Hewlett Packard Enterprise via a single point of accountability for Hewlett Packard Enterprise and others' products. For more information, visit **https://www.hpe.com/us/en/services/datacenter-hybrid-services.html**

HPE Self-Service Spares Service answers the question: What do you do when you need parts? We can set it up so that you get spare parts onsite through our automated self-service spares. You simply go to the part of your data center where the parts live, scan them out, scan in the broken one, and you're done. We maintain your inventory of good spares, so that what you need is ready to go when you need it. And we provide monthly service excellence reports illustrating onsite inventory performance.

Service and Support

Defective Media Retention (DMR) and Comprehensive Defective Material Retention (CMDR)

If your business deals with sensitive or legally protected data, you know that it's not a simple matter to return a defective hardware component, but keeping it conflicts with the terms and conditions of many standard warranty agreements. If you don't return the component, you'll be charged for the replacement part.

HPE Foundation Care services are available with defective media retention or comprehensive defective material retention of those other data-retentive components, such as hard drives, memory, switches and processors. This is critical for customers who:

- Need to control and secure their classified, proprietary and confidential data.
- Are subject to current data privacy regulations.

Want a simpler, more cost-effective solution when choosing not to return a malfunctioning disk drive or other data retentive component.

Other Services

HPE Technology Services Support Credits offer flexible services and technical skills to meet your changing IT demands. With a menu of services tailored to suit your needs, you get additional resources and specialist skills to help you maintain peak performance of your IT with technical and operational services. There is even a custom deliverable where we work with you to develop exactly what meets your needs. Offered as annual credits, you can plan your budgets while proactively responding to your dynamic business.

HPE Education Services keep your IT staff trained making sure they have the right skills to deliver on your business outcomes. Book on a class today and learn how to get the most from your technology investment.
https://www.hpe.com/us/en/services/it-education-training.html

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HPE Support Center

Hewlett Packard Enterprise provides several tools that make it simpler to get help from Hewlett Packard Enterprise:

HPE Support Center is personalized online support portal with access to information, tools and experts to support Hewlett Packard Enterprise business products. Submit support cases online, chat with Hewlett Packard Enterprise experts, access support resources or collaborate with peers. Learn more:
http://ssc.hpe.com
The HPE Support Center Mobile App allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalize IT support anywhere, anytime. HPE Support Center are available at no additional cost with a Hewlett Packard Enterprise warranty, HPE support package or Hewlett Packard Enterprise contractual support agreement.
NOTE: HPE Support Center Mobile App is subject to local availability.

Parts and Materials

Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.

For more information

To learn more on HPE Moonshot System, please contact your Hewlett Packard Enterprise sales representative.

Service and Support

Technical Specifications

Server Cartridge	HPE Moonshot Remote Console Administrator	
	Dimensions (H x W x D)	6.57 x 7.23 x 0.78in (16.71 x 18.37 x 1.98cm)
	Typical Power	12W
	Max Power	20W
System Inlet Temperature	Operating	For HPE Moonshot 1500 Chassis: 50° to 95° F (10° to 35° C) At sea level with an altitude derating of 1.8°F per every 1000 ft (1.0°C per every 304.8 m) above sea level to a maximum of 10,000 ft (3048 m), no direct sustained sunlight. Maximum rate of change is 18°F/hr (10°C/hr).
	Non-operating	-22° to 140° F (-30° to 60° C) Maximum rate of change is 36°F/hr (20°C/hr).
Relative Humidity (non-condensing)	Operating	10 to 90% relative humidity (Rh), 28°C (82.4°F) maximum wet bulb temperature, non-condensing.
	Non-operating	5 to 95% relative humidity (Rh), 38.7°C (101.7°F) maximum wet bulb temperature, non-condensing.
Altitude	Operating	10,000 ft (3048 m). This value may be limited by the type and number of options installed. Maximum allowable altitude change rate is 1500 ft/min (457 m/min).
	Non-operating	30,000 ft (9144 m). Maximum allowable altitude change rate is 1500 ft/min (457 m/min).
Emissions Classification (EMC)	FCC Rating	Class A
	Normative Standards	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; K22;K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1

NOTE: Product conformance to cited product specifications is based on sample (type) testing, evaluation, or assessment. This product or family of products is eligible to bear the appropriate compliance logos and statements.

HPE Power Advisor

The HPE Power Advisor is a tool provided by Hewlett Packard Enterprise to assist in the estimation of power consumption and proper selection of components including power supplies at a system, rack, and multi-rack level. A variety of additional features are also provided including a condensed bill of materials, a cost of owner ship calculator, and a power report. The HPE Power Advisor allows for the mixing of rack, tower, blade, and other products in a single environment.
Available at: http://www.hp.com/go/hppoweradvisor

Environment-friendly Products and Approach

End-of-life Management and Recycling
Hewlett Packard Enterprise offers end-of-life Hewlett Packard Enterprise product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to:
https://www.hpe.com/us/en/about/environment/product-recycling.html. To recycle your product, please go to:
https://www.hpe.com/us/en/about/environment/product-recycling.html or contact your nearest Hewlett Packard Enterprise sales office. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.
The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise web site at: **https://www.hpe.com/us/en/about/environment/product-recycling.html**. These instructions may be used by recyclers and other WEEE treatment facilities as well

Technical Specifications

as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

Summary of Changes

Date	Version History	Action	Description of Change
07-Jan-2019	Version 4	Changed	Service and Support section was updated
16-Dec-2016	Version 3	Updated	Added new server cartridges
26-Oct-2016	Version 2	Updated	Update QuickSpecs for Rebranding
17-Aug-2015	Version 1	Created	Create QuickSpecs for HPE Moonshot Remote Console Administrator

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