

Overview

HPE Apollo Platform Manager

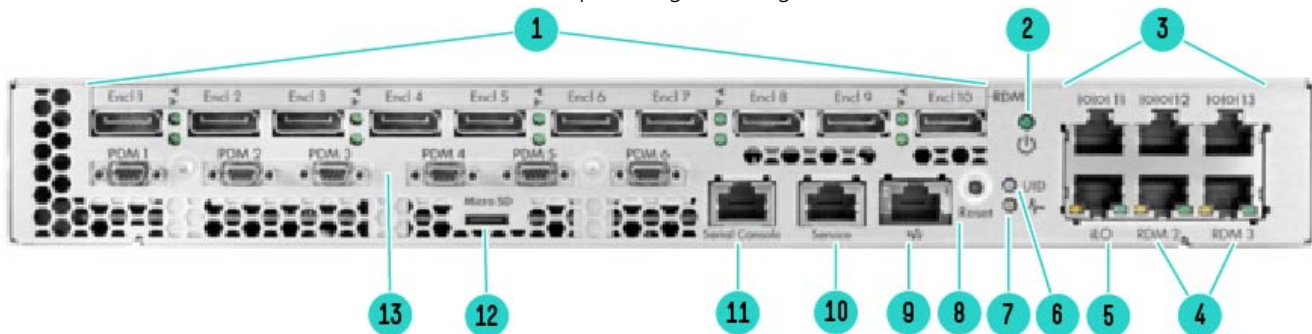
The HPE Apollo Platform Manager (APM) is a rack level power and system management solution for the HPE Apollo 6000 System, HPE Apollo 4500 System, and HPE Apollo 2000 System.

HPE APM will automatically discover hardware components and enable bay level power on and off, server metering, and aggregate dynamic power capping. HPE APM consolidates Ethernet access to all resident iLOs, and provides a secure single sign on. HPE APM also provides asset management capabilities for shared infrastructure

HPE APM features rack level event logging, RADIUS authentication, an integrated serial concentrator, up to 11 local user accounts, a read only service port, and supports SNMP, SSH, Syslogd, telnet.

What's New

- Dynamic Rack Power capping
- Unified Ethernet access to all resident iLOs with single sign on capability
- Ability to link multiple APMs together for a "row view" of APM based racks
- Enhanced graphical interface
- RESTful API support
- Can monitor health of all servers in the rack while providing an "at a glance" view



Front View:

- | | |
|---|---|
| 1. Consolidated Management Ports 1 - 10 (RDM1) | 8. Reset Button |
| 2. Power LED | 9. Ethernet Management port |
| 3. Serial port for management of top of rack switch | 10. Service port |
| 4. RDM ports for APM Distribution module | 11. Serial Console port |
| 5. iLO port | 12. MicroSD Card slot |
| 6. UID LED | 13. Power Distribution Module (PDM) ports 1 – 6 |
| 7. Health LED | |

Overview



Side View

1. Reserve



Back View

1. Power plug



Optional Features

Warranty

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

Notes: Server Warranty includes 1 year Parts, 1 year Labor, 1-year on-site support with next business day response. Additional information regarding worldwide limited warranty and technical support is available at:

<http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html>

Factory Express Portfolio for Servers and Storage

HPE Factory Express offers configuration, customization, integration and deployment services for Hewlett Packard Enterprise servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped and deployed.

Factory Express offers service packages for simple configuration, racking, installation, complex configuration and design services as well as individual factory services, such as image loading, asset tagging, and custom packaging. Hewlett Packard Enterprise products supported through Factory Express include a wide array of servers and storage and configurable network switches.

For more information on Factory Express services for your specific server model please contact your sales representative or go to:

<https://hpe.sharepoint.com/sites/B1/EG/GSC/Pages/Factory-Integration.aspx>



Service and Support

HPE Pointnext - Service and Support

Get the most from your HPE Products. Get the expertise you need at every step of your IT journey with **HPE Pointnext Services**. We help you lower your risks and overall costs using automation and methodologies that have been tested and refined by HPE experts through thousands of deployments globally. HPE Pointnext **Advisory Services** focus on your business outcomes and goals, partnering with you to design your transformation and build a roadmap tuned to your unique challenges. Our **Professional** and **Operational Services** can be leveraged to speed up time-to-production, boost performance and accelerate your business. HPE Pointnext specializes in flawless and on-time implementation, on-budget execution, and creative configurations that get the most out of software and hardware alike.

Consume IT on your terms

HPE GreenLake brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

Managed services to run your IT operations

HPE GreenLake Management Services provides services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

Recommended Services

HPE Pointnext Tech Care.

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care is available in three response levels. Basic, which provides 9x5 business hour availability and a 2 hour response time. Essential which provides a 15 minute response time 24x7 for most enterprise level customers, and Critical which includes a 6 hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>

HPE Pointnext Complete Care

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts. HPE Pointnext Complete Care provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

<https://www.hpe.com/services/completechcare>



Service and Support

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 QuickSpecs, 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 services for your HPE server, contact your Hewlett Packard Enterprise sales representative or authorized channel partner



Configuration Information

Notes: Contact your local sales representative for information on configurable product offerings and requirements.

Configuration Example 1

Appropriate for server chassis with consolidated management port such as HPE Apollo systems.

HPE Apollo Platform Manager

HPE Apollo Platform Manager Kit	741192-B21
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Notes: Each HPE APM can connect up to 10 server chassis via consolidated management cable.

HPE 4M 20 Pin Consolidated Management Cable	762048-B21
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Notes: 1 cable per server chassis.

Configuration Example 2

Appropriate for rack configurations with greater than 10 chassis such as Apollo 2000.

HPE Apollo Platform Manager

HPE Apollo Platform Manager Kit	741192-B21
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Notes: Each HPE APM can connect to 2 HPE Advanced Power Manager Distribution (APMD) modules.

HPE Apollo Platform Manager Distribution Module Kit	620002-B21
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Notes: Each APMD can connect up to 10 chassis.



Technical Specifications

System Unit

Chassis Dimensions 1.625" x 8.25" x 13" (4.128 x 20.95 x 33.02cm)
(H x W x D)

Weight 9 lbs
(approximate)

Input Requirements (per power supply)

Rated Line Voltage	100 to 240 VAC
Rated Input Current	1.0A at 115VAC 1.0A at 230VAC
Rated Input Frequency	50 to 60 Hz
Rated Input Power	12W (at 100 VAC), 12W (at 200 VAC)

Power Specifications To review typical system power ratings use the HPE Power Advisor which is available via the online tool located at URL:

<https://www.hpe.com/us/en/servers.html>

653.10W (at 100 VAC),
653.08W (at 200 VAC)

System Inlet Temperature

Operating 50° to 140° F (10° to 60° C) at sea level with an altitude derating of 1.8°F per every 1000 ft (1.0°C per every 305 m) above sea level to a maximum of 10,000 ft (3050 m), no direct sustained sunlight. Maximum rate of change is 18°F/hr (10°C/hr). The upper limit may be limited by the type and number of options installed. System performance may be reduced if operating with a fan fault or above 86°F (30°C).

Non-operating -22° to 185° F (-30° to 85° C)
Maximum rate of change is 36°F/hr (20°C/hr).

Relative Humidity (non-condensing)

Operating 10% to 90% relative humidity (Rh), 82.4°F (28°C) maximum wet bulb temperature, non-condensing.

Non-operating 5% to 95% relative humidity (Rh), 101.7°F (38.7°C) maximum wet bulb temperature, non-condensing.

Altitude

Operating 10,000 ft (3050 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

FCC Rating Class A

Classification (EMC)

Normative Standards CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22;K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1

Notes: 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.

Environment-friendly Products and Approach End-of-life Management and Recycling

Hewlett Packard Enterprise offers end-of-life **product return, trade-in, and recycling programs**, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE Directive (2012/19/EU) 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**:

These instructions may be used by recyclers and other WEEE treatment facilities as well 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
15-Nov-2021	Version 13	Changed	Service and Support section was updated.
18-May-2020	Version 12	Changed	Overview and Configuration Information sections were updated.
20-Apr-2020	Version 11	Changed	Overview section was updated.
03-Dec-2018	Version 10	Changed	Overview and Optional Features sections were updated.
23-Oct-2017	Version 9	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
02-Sep-2016	Version 8	Changed	Update name of the QuickSpecs and general information throughout the document
01-Dec-2014	Version 7	Changed	Updates throughout the QuickSpecs
10-Jun-2014	Version 6	Changed	Changes were made throughout, including changing the title.
18-Apr-2014	Version 5	Changed	Recommended and Related Services were revised.
17-May-2013	Version 4	Changed	Correction made to the North America and Canada versions only.
10-May-2013	Version 3	Changed	Overview: Updated Image section. Configuration Information-Factory Integrated Models: Updated Step 1.
05-Jun-2012	Version 2	Changed	Changed the title.
14-Nov-2011	Version 1	New	New QuickSpecs



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