

### Overview

### HPE Apollo Platform Manager

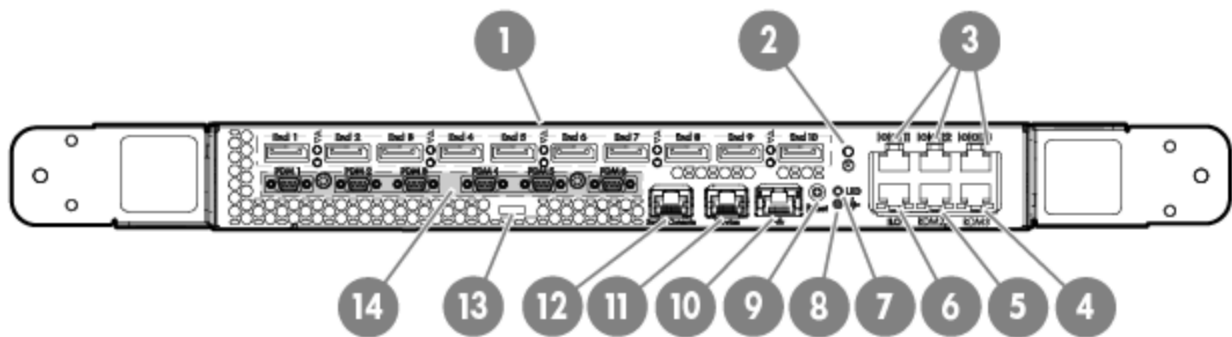
The HPE Apollo Platform Manager (APM) is a rack level power and system management solution for the HPE Apollo 6000 System, HPE Apollo 4500 System, HPE Apollo 2000 System, and HPE Moonshot 1500 System. HPE APM is standard in the Apollo 8000 system.

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, Syslog, 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

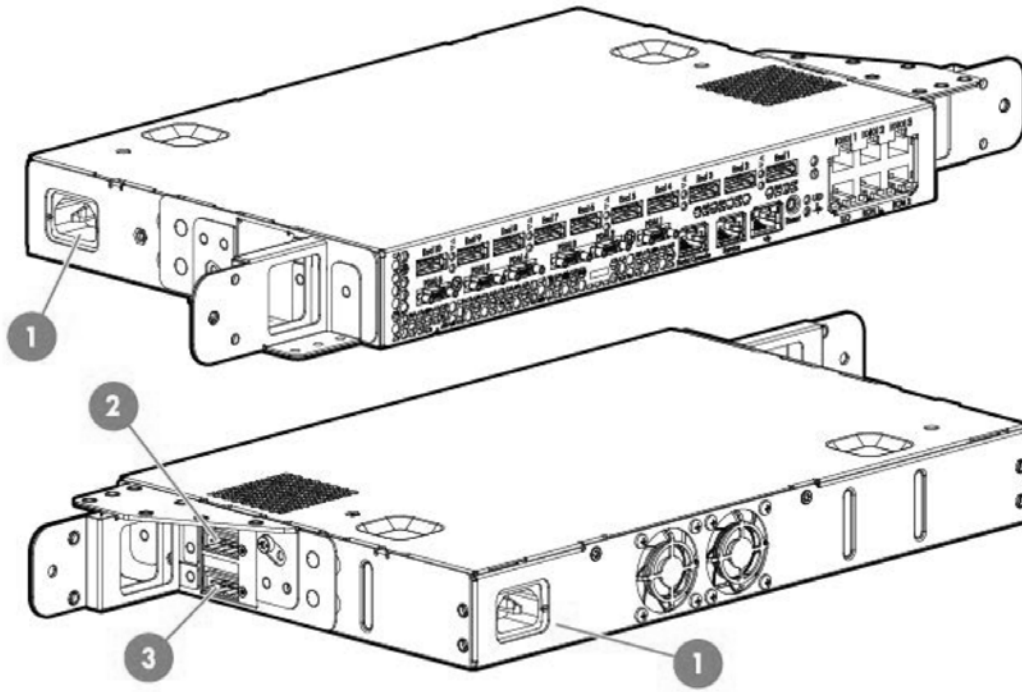


#### Front View:

1. Consolidated Management Ports 1 - 10 (RDM1)
2. Power LED
3. Serial port for management of top of rack switch
4. RDM 3 port for SL-APM Distribution module
5. RDM 2 port for SL-APM Distribution module
6. iLO port
7. UID LED
8. Health LED
9. Reset Button
10. Ethernet Management port

## Overview

11. Service port
  12. Serial Console port
  13. MicroSD Card slot
  14. Power Distribution Module (PDM) ports 1 – 6
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### Back View/Side View

1. Power plugs 1 and 2
2. On-Generator and AUX signals
3. Redundant reset

## 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.

**NOTE:** 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: **<http://www.hp.com/go/factory-express>**.

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## Service and Support

<b>Service and Support</b>	<p><b>Support for HPE Apollo Platform Manager is covered by the support for the server installed in the same rack.</b></p> <p><b>HPE Technology Services</b></p> <p>HPE Technology Services offers you consultants and support experts to solve your most complex infrastructure problems. We help keep your business running, boost availability and avoid downtime.</p> <p><b>Protect your business beyond warranty with HPE Pointnext operational services</b></p> <p>When you buy HPE Options, it's also a good time to think about what level of service you may need. HPE Pointnext operational services provide total care and support expertise with committed response choices designed to meet your IT and business need.</p>
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## Recommended HPE Pointnext operational services for optimal satisfaction with your HPE product

<b>Recommended Services</b>	Support for the HPE APM is provided by the servers installed in the rack. Consider the criticality of the servers and choose the recommended service level that meets your needs.
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<b>Parts and materials</b>	<p>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.</p> <p>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.</p> <p>The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.</p>
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<b>For more information</b>	To learn more on services for your HPE server, contact your Hewlett Packard Enterprise sales representative or authorized channel partner Or visit: <a href="http://www.hp.com/go/scalable">http://www.hp.com/go/scalable</a>
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## Configuration Information

**NOTE:** 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.

<b>HPE Apollo Platform Manager</b>	HPE Advanced Power Manager Kit NOTE:NOTE: Each HPE APM can connect up to 10 server chassis via consolidated management cable.	741192-B21
	HP 4M 20 Pin Consolidated Management Cable NOTE:NOTE: 1 cable per server chassis.	762048-B21
	HP 3M MicroDB9 to MicroDB9 Cable NOTE:NOTE: This cable is required for connectivity to DC Power shelf with Apollo 6000.	762049-B21

### Configuration Example 2

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

<b>HPE Apollo Platform Manager</b>	HPE Advanced Power Manager Kit NOTE:NOTE: Each HPE APM can connect to 2 HPE SL Advanced Power Manager Distribution (SL APMD) modules.	741192-B21
	HPE SL Advanced Power Manager Distribution Module Kit NOTE:NOTE: Each SL APMD can connect up to 10 chassis.	620002-B21

## Technical Specifications

<b>System Unit</b>	<b>Chassis Dimensions</b> (H x W x D)	1.625" x 8.25" x 13" (4.128 x 20.95 x 33.02cm)		
	<b>Weight</b> (approximate)	9 lbs		
	<b>Input Requirements</b> (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)	
	<b>Power Specifications</b>	To review typical system power ratings use the HPE Power Advisor which is available via the online tool located at URL: <a href="http://www8.hp.com/us/en/products/servers/solutions.html?compURI=1439951">http://www8.hp.com/us/en/products/servers/solutions.html?compURI=1439951</a> 653.10W (at 100 VAC), 653.08W (at 200 VAC)		
	<b>System Inlet Temperature</b>	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).	
	<b>Relative Humidity</b> (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.		
<b>Altitude</b>	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).		
<b>Emissions Classification (EMC)</b>	FCC Rating	Class A		
	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		

**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.

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## Technical Specifications

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**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 trade-in information, please go to: <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> 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: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HPE OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

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## Summary of Changes

Date	Version History	Action	Description of Change
23-Oct-2017	Version 9	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
2-Sep-2016	From version 7 to 8	Updated	Update name of the QuickSpecs and general information throughout the document
1-Dec-2014	From version 6 to 7	Changed	Updates throughout the QuickSpecs
10-Jun-2014	From Version 5 to 6	Changed	Changes were made throughout, including changing the title.
18-Apr-2014	From Version 4 to 5	Changed	Recommended and Related Services were revised.
17-May-2013	From Version 3 to 4	Changed	Correction made to the North America and Canada versions only.
10-May-2013	From Version 2 to 3	Changed	Overview: Updated Image section.  Configuration Information-Factory Integrated Models: Updated Step 1.
05-Jun-2012	From Version 1 to 2	Changed	Changed the title.



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