

Overview

HP Apollo 2000 Chassis

The Apollo 2000 System is the enterprise bridge to scale-out architecture for traditional data centers delivering the space and cost savings of density-optimized infrastructure in a non-disruptive manner. It is a dense, multi-server platform that packs a lot of performance and workload capability into a small amount of datacenter space while delivering the efficiencies of a shared infrastructure.

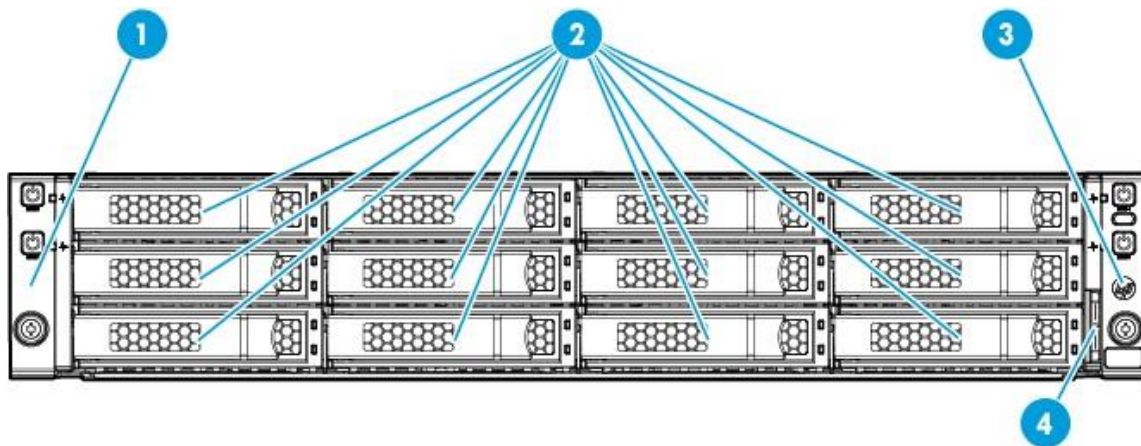
The Apollo 2000 System offers the configuration flexibility to support a variety of workloads, from remote site systems to large HPC clusters and everything in between. And it can be deployed cost-effectively starting with a single 2U, shared infrastructure chassis to meet the configuration needs of a wide variety of scale-out workloads.

The Apollo 2000 System is a density-optimized, 2U shared infrastructure chassis for up to 4 ProLiant Gen9 independent, hot-plug servers with all the traditional data center attributes - standard racks and cabling and rear-aisle serviceability access. A 42U rack fits up to 20 Apollo r2000 series chassis accommodating up to 80 servers per rack.

With Apollo 2000 System servers there is flexibility to tailor the system to the precise needs of each workload with compute and flexible I/O and storage options. Apollo 2000 System servers can be “mixed and matched” within a single chassis to support different applications and it can even be deployed with a single server, leaving room to scale as customer’s needs grow.

The Apollo 2000 chassis comes with 4 new generation single rotor fans and an additional 4 fans can be added for redundancy. The power can be managed by the HP Advanced Power Manager (HP APM) an optional rack level manager.

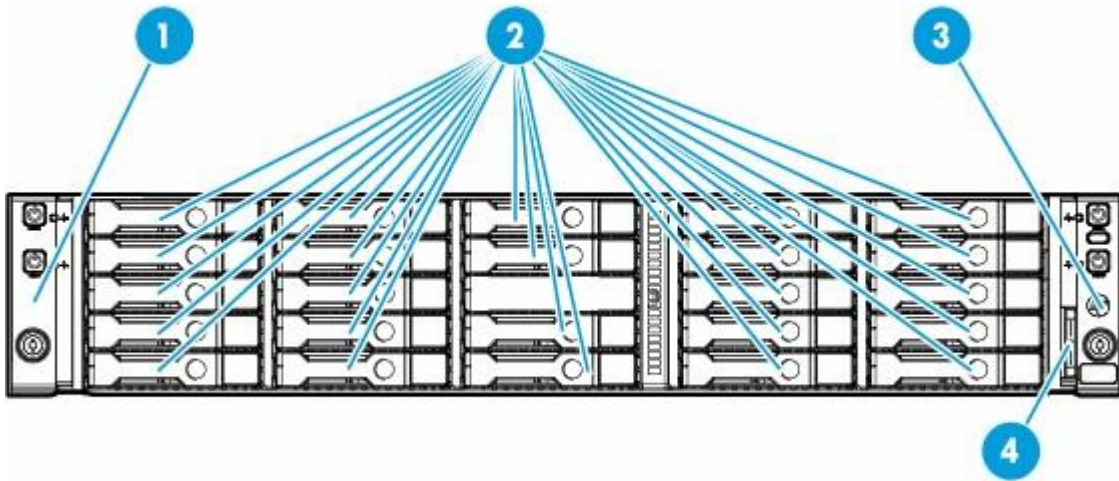
- HP Apollo r2200 Chassis - 12 LFF



Item	Description
1	Left bezel ear
2	Low-profile LFF hot-plug drives
3	Right bezel ear
4	Chassis serial label pull tab

Overview

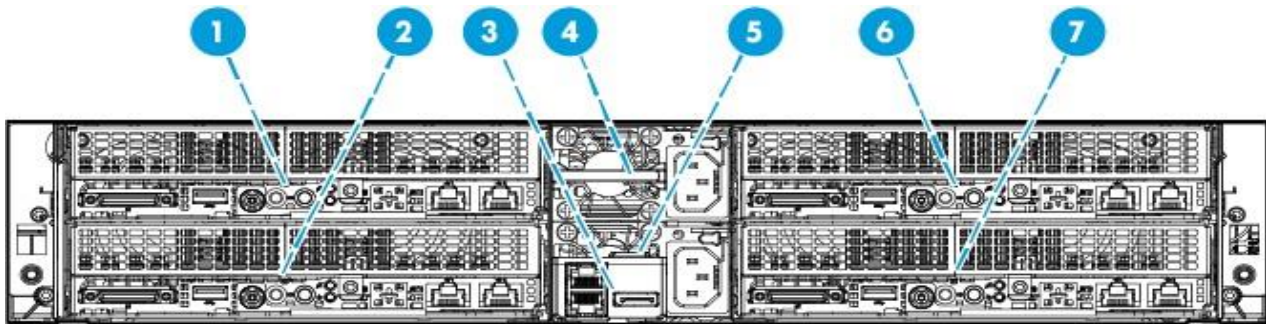
- HP Apollo r2600 Chassis - 24 SFF



Item	Description
1	Left bezel ear
2	SFF HP SmartDrives
3	Right bezel ear
4	Chassis serial label pull tab

Chassis Rear Panel Components

Four 1U Nodes

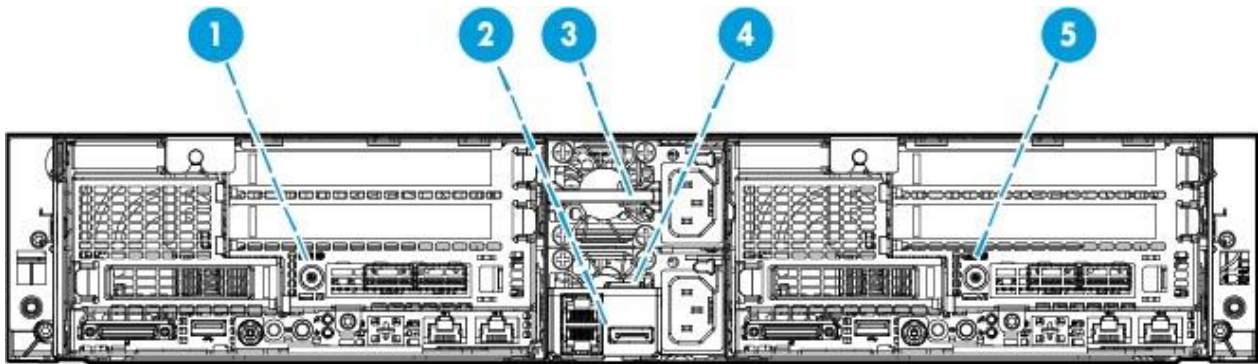


Item	Description
1	Node 4
2	Node 3
3	RCM module
4	Power Supply 2
5	Power Supply 1
6	Node 2
7	Node 1

Overview

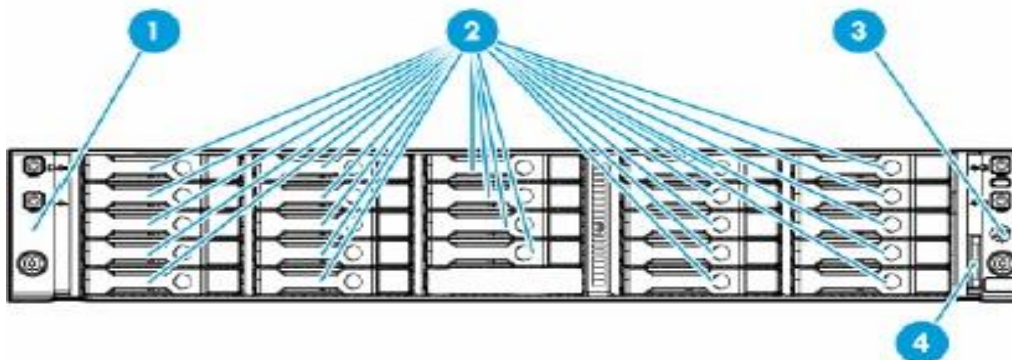
Chassis Rear panel Components

Two 2U Nodes



Item	Description
1	Node 3
2	RCM module
3	Power Supply 2
4	Power Supply 1
5	Node 1

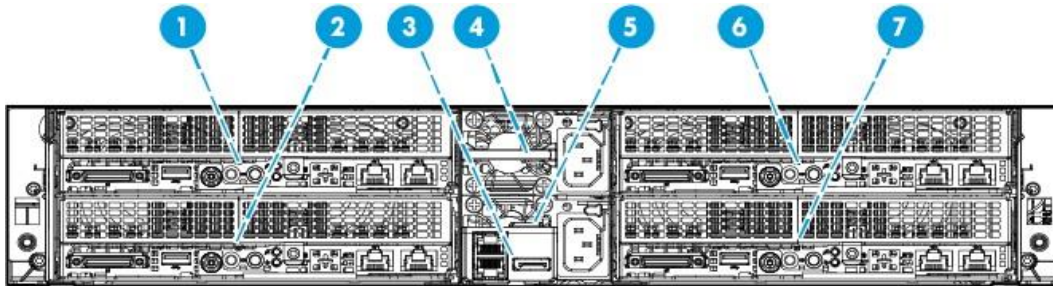
- HP Apollo r2800 Chassis - 24 SFF with storage expander backplane



Item	Description
1	Left bezel ear
2	SFF HP SmartDrives
3	Right bezel ear
4	Chassis serial label pull tab

Overview

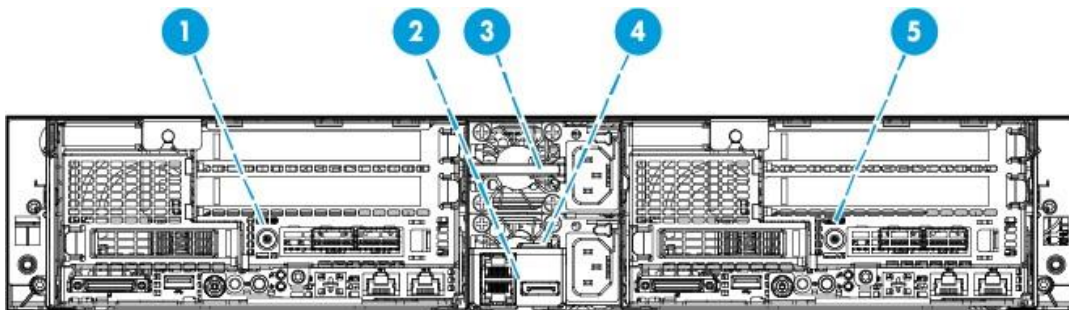
Chassis Rear panel Components Four 1U Nodes



Item	Description
1	Node 4
2	Node 3
3	RCM module
4	Power Supply 2
5	Power Supply 1
6	Node 2
7	Node 1

Chassis Rear panel Components

Two 2U Nodes



Item	Description
1	Node 3
2	RCM module
3	Power Supply 2
4	Power Supply 1
5	Node 1

Core Features

Chassis

There are 3 chassis options with different storage configurations

- HP Apollo r2200 Chassis - 12 LFF hot-plug SAS or SATA HDDs or SSDs - allocated equally across server nodes
- HP Apollo r2600 Chassis - 24 SFF hot-plug SAS or SATA HDDs or SSDs - allocated equally across server nodes
- HP Apollo r2800 Chassis-24 SFF hot-plug SAS or SATA HDD or SSDs- allocated flexibly across server nodes

NOTE: r2800 supports flexible drive mapping enabling custom drive allocations to match workloads giving more flexible storage density for various applications. For more detail information about flexible mapping, visit

http://h20628.www2.hp.com/km-ext/kmcsdirect/emr_na-c04604560-1.pdf

Each HP Apollo 2000 Chassis is built with the following:

- 4 server slots per chassis.
- Up to two (2) 800W/1400W power supply for the chassis HP Thermal Logic technology for lower power consumption and airflow.
- Four (4) single rotor fans standard and options

System Fans

The Chassis ships standard with 4 single rotor fan modules.

Server Tray Blank Kit

A chassis requires that four (4) server tray slots be populated with either an HP ProLiant XL170r, XL190r server or an HP Apollo 2000 Server Tray Blank Kit.

Rack Airflow Requirements

HP Apollo 2000 Chassis

The increasing power of new high-performance processor technology requires increased cooling efficiency for rack-mounted servers. For maximum cooling, HP racks are recommended to allow these racks to be fully loaded with servers using the latest processors.

CAUTION: If a third-party rack is used, observe the following additional requirements to ensure adequate airflow and to prevent damage to the equipment:

CAUTION: Always use blanking panels to fill all remaining empty front panel U-spaces in the rack. This arrangement ensures proper airflow. Using a rack without blanking panels will result in improper cooling that can lead to thermal damage.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/608042031052006036>