

HPE APOLLO 20 SYSTEM

Apollo 20 Systems



WHAT'S NEW

- Supports 2nd Generation Intel Xeon Processor Advanced Performance (AP) family for higher compute performance.
- Available in 56, 48, or 32 cores with 12 DDR4 memory channels per CPU.
- Built to support both liquid-cool and air-cooled options.
- Available in 1U and 2U form factor.
- Supports in-row CHx750 and in-rack CHx200 CDUs for flexible liquid cooling deployment.
- Pointnext world-wide support.

OVERVIEW

Are you searching for flexible, high core count, and high memory bandwidth system in HPC and AI?

The HPE Apollo 20 System is built on the 2nd Generation Intel® Xeon® Platinum 9200 family of processors, which offer outstanding 2-socket performance leadership across popular workloads. Built to support both liquid-cooled and air-cooled options in a variety of configurations, the HPE Apollo 20 System takes advantage of the Hewlett Packard Enterprise experience in HPC cooling technologies as workloads continue to push power and density. The HPE Apollo 20 System offers up to 56 cores with an impressive 12 DIMMs per socket, making it ideal for use in data-intensive industries including oil and gas, finance, AI, manufacturing, and life sciences.

FEATURES

Standardized Scale-Out Platform for Diverse Workloads

The HPE Apollo 20 System offers uncompromised compute density (up to 10,000 cores per rack) for both power and cooling to extract high performance out of each footprint and lower total operating costs.

The HPE Apollo 20 System is designed for standard HPC workloads and applications, including AI.

Designed for memory demanding workloads ideally suited for use in data-intensive industries, including oil and gas, finance, manufacturing, and life sciences.

The 2nd Generation Intel Xeon 9200 advanced performance family of processors offers outstanding 2-socket performance leadership across popular workloads.

Technical specifications

HPE Apollo 20 System

Drive supported	1U node supports two M.2 internal non-hotplug devices while 2U supports up two M.2 internal non-hotplug and two hot-plug U.2 drives.
Supported trays	Support for 1U and 2U Apollo 20 trays
Supported chassis	HPE Apollo 20 Liquid Cooled Configure-to-order Chassis HPE Apollo 20 Air Cooled Configure-to-order Chassis
Memory	DDR4-2933 Registered Memory
Network	1 Gb integrated with additional PCI-e options available (per node)
Expansion slots	1U supports 2 PCIe x16 slots (per node) 2U supports 4 PCIe x16 slots (per node)
Storage	M.2 and U.2 storage options
Power	High line AC input rating: 180-264VAC, 47-63Hz low-line AC input rating: 90-140VAC, 47-63Hz
Management features	AST2500 BMC
System fan features	Dual Rotor 80 x 80 mm hot plug fans
Form factor	2U chassis form factor
Warranty	Support service or warranty covers 3-year parts, 3-year labor, and 3-year onsite



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[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 Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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.

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