

HPE Apollo 4200 Gen10 Plus System



What's new

- Ideal for deeper data lakes and larger archive or backup repositories through higher data storage capacity and density in a serviceable 2U rackmount chassis.
- Designed for throughput-intensive, cache-intensive, and tiering-intensive workloads with a superior balanced system architecture with more and faster I/O.
- Satisfy data-heavy hyperconverged infrastructure (HCI) environments with higher performance, 3rd generation Intel® Xeon® Scalable processors and more memory.
- Unlock data insights faster using machine learning and data analytics through planned upgrade support for

Overview

Do you need the most capacity with uncompromising performance, security, and intelligence in a datacenter-friendly 2U rackmount server footprint?

The HPE Apollo 4200 Gen10 Plus System, like the other members of the HPE Apollo 4000 family, is specifically designed to unlock the business value of data stemming from digital transformation (DX) and data infrastructure modernization, at any scale, and with ideal economics. It is designed for both ends of the data-centric workload spectrum – from deeper data lakes and archives to performance-demanding machine learning (ML), data analytics, hyperconverged infrastructure, and cache-intensive workloads. The HPE Apollo 4200 Gen10 Plus System provides the data infrastructure foundation for any successful data-driven organization.

select GPU and FPGA accelerators.

Features

Data Density and Performance Optimized to Unleash Your Data-Intensive Applications

The HPE Apollo 4200 Gen10 Plus System is purposefully designed to enable you to accomplish more for your data-centric workloads and digital transformation initiatives. It provides more data capacity, more data throughput, and more data processing in a balanced, symmetric system architecture.

Storage can be configured for the spectrum of workloads from data lakes and archives to cache- and performance-intensive via a broad range of media options in up to 28 Large Form Factor (LFF) with 4 NVMe-capable Small Form Factor (SFF), 24 LFF with 12 NVMe-capable SFF, or 60 SFF hot-plug drive bays.

Two 3rd generation Intel® Xeon® Scalable processors of up to 32 cores each, select GPU and FPGA accelerators, 50% more memory at 3200 MT/s speed, Intel® Optane™ Persistent Memory support, and six FHHL PCIe Gen4 slots in a balanced system architecture allows greater value to be unlocked from data.

Data Security and Global Intelligence Built-In to Protect Your Assets and Prevent Headaches

A 360-degree perspective on security extends from the HPE Apollo 4200 Gen10 Plus System design itself, through the manufacturing supply chain, all the way to concluding with a safeguarded, end-of-life decommissioning feature that meets the NIST Guidelines for Media Sanitization.

Robust, FIPS 140-2 Level 1 validated protection for your data is provided via the optional Secure Encryption feature for HPE Smart Array storage controllers. Meanwhile, hassle-free system protection is provided by HPE iLO5, its silicon root of trust, and secure boot capabilities.

HPE InfoSight for Servers endows the HPE Apollo 4200 Gen10 Plus System with global intelligence. Continuous AI-driven insights through Active Health System monitoring, coupled with real-world experience and support automation, aim to prevent and resolve problems before disruption.

Seamlessly Deploy and Economically Scale in a Datacenter-Friendly 2U Rackmount Form Factor

The HPE Apollo 4200 Gen10 Plus System simplifies deployment and maintenance for datacenter operations teams. The unique 2U rackmount chassis seamlessly fits within a HPE standard 1075mm rack while allowing full in-rack and online servicing for all drive bays, cooling fans, and power supplies.

Greater flexibility is provided for rack-scale deployments with sideband management support via the OCP slot, an alternative to the included iLO out-of-band management port, reducing network cabling and top-of-rack (ToR) switch port consumption by up to 50% per 42U rack.

GreenLake Flex Solutions brings the cloud experience to your datacenter where your applications and data live. Pay-per-use, consumption-based purchasing provides economic agility while infrastructure management can be offloaded to the HPE IT Operations Centers, freeing up your valuable people resources.

Technical specifications	HPE Apollo 4200 Gen10 Plus System
Memory protection features	HPE Advanced Memory Error Detection Technology, including Fast Fault Tolerance (selected memory options)
Form factor	2U Rack
Warranty	3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Additional information regarding worldwide limited warranty and technical support is available at: https://support.hpe.com/hpsc/wc/public/home . Additional HPE support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the HPE website at https://www.hpe.com/support/Storage-Warranties
Product dimensions	87.5 x 448.0 x 837.9 mm (dimensions without bezel)
Weight	18.62 kg (empty), 48.35 kg (fully-loaded)

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

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

GreenLake

[GreenLake](#) is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

- Streamline IT Operations across compute, storage, and networking without the chaos
- Unify and secure data, as you move faster
- Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

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

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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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