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Fact Sheet

HPE Apollo 4200 Gen10 Announcement

At Discover 2018 Madrid, HPE announced the latest generation of the HPE Apollo 4200 Gen10 Server designed for big data analytics, scale-out software defined storage, backup and archive, and other data storage-intensive workloads.

HPE Apollo 4200 Gen10

The HPE Apollo 4200 Gen10 System builds on years of proven leadership in 2U density optimized storage. Its unique design allows customers to save valuable data center space through a 2U standard rack depth chassis that holds up to 28 Large Form Factor (LFF) or 54 Small Form Factor (SFF) hot-plug drives. Unlike platforms from other vendors, all of these hot-plug drives can be easily serviced from the front/rear of the rack without having to slide out the entire system. The HPE Apollo 4200 Gen10 system provides a bridge from traditional to scale-out architectures so users can achieve the combination of computing power required for data-intensive workloads with the space and cost savings of density-optimized infrastructure—without disruption.

Key features of the Apollo 4200 Gen10 include:

- **Ultra-dense and rack scale**
    - o Highest data storage density in a unique, easier to service 2U standard rack depth chassis.
    - o Up to 28 Large Form Factor (LFF) or 54 Small Form Factor (SFF) hot-plug drives and without I/O compromises.
    - o New support for daisy chaining of out of band management network ports for 95% reduction in management network port consumption per 42U rack.

Editorial contact

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- **Workload-optimized with accelerated performance**
  - New balanced system architecture with 62% higher bandwidth from a three Intel UltraPath Interconnect (UPI) design.
  - Next generation Intel Xeon Scalable Processors with up to 24 cores each and DDR4 2666MT/s HPE SmartMemory for up to 66% faster bandwidth.
  - Now supports up to six NVMe-connected SFF SSDs for low latency and high bandwidth metadata access or data caching.
  - New HPE Smart Array Gen10 Controllers provide up to 65% better random and up to 25% better sequential performance, and network controllers up to 100Gb/s.

- **Data secure by design**
  - New HPE iLO 5 and HPE Silicon Root of Trust technology provides firmware protection, malware detection, and firmware recovery.
  - Optional HPE Smart Encryption for storage controller-based FIPS 140-2 Level 1 data at rest encryption.

- **Ready for customers' applications to be consumed their way, without headaches**
  - HPE validated with a wide range of big data and analytics, software-defined storage, backup and archive, and other data storage-intensive applications.
  - Consumption-based IT via HPE GreenLake Flex Capacity for economic agility with on premise security and performance.
  - Backed by services from HPE Pointnext, including support automation in the event hardware components fail.

Availability
The new Apollo 4200 Gen10 Sever will be available globally January 7, 2019.