HPE ProLiant m510 Server Blade

Moonshot Cartridges

Overview

The HPE ProLiant m510 Server Blade with the Intel® Xeon® D processors are here! Intel Xeon processors bring performance and advanced intelligence into a dense, lower-power system-on-a-chip. With enhanced reliability, availability, serviceability features, platform storage extensions, and built-in hardware virtualization, the Intel Xeon processor D product family D-1548 and D-1587 offer new options for optimizing a variety of workloads. The ProLiant m510 Server is helping Hewlett Packard Enterprise lead in the move from the data center to the edge and enabling a new wave of technologies that have not been possible before – things like machine learning at the edge, automated maintenance records and augmented maintenance support technologies. There is value to processing these data streams real-time, gaining insight and

the ability to act upon that insight long before the data transmitted to and stored for batch analysis at a datacenter or cloud.

Features

Sometimes Thinking Big Means Thinking Small

The HPE ProLiant m510 Sever Blade offers most of the benefits of the more expensive 1P and 2P servers for a fraction of the power and cooling costs.

With up to 5.76 TB of DDR4 and up to 480 cores in 4.3U, the hyper dense HPE Moonshot platform can easily tackle some of the most demanding workloads today.

Powerful Management and Serviceability

The HPE ProLiant m510 Server Blade iLO enables reliability which is essential for your system health. iLO provides the automated intelligence to maintain complete server control from anywhere.

Hewlett Packard Enterprise provides consulting advice to transform and modernize your infrastructure; services to deploy, migrate and support your new ProLiant servers and education to help you succeed quickly.

Technical specifications   HPE ProLiant m510 Server Blade

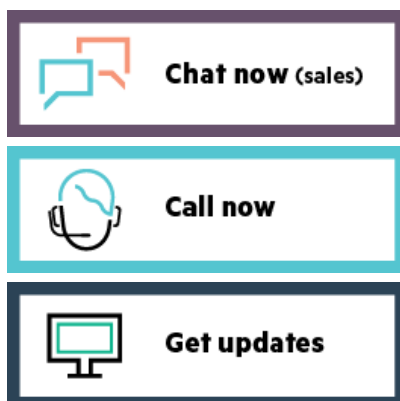|	
Compatible operating systems	Windows Server, Windows, Ubuntu, RHEL, SLES, CentOS, VMware ESXi
Enclosures	Moonshot 1500 Chassis
Storage	Up to 2 TB of NVMe SSD with 1 GB per sec read/write
Workload supported	General purpose computing
Compute nodes	Intel Xeon D-1548, 2.0 GHz, (8) x86 cores or Intel Xeon D-1587, 1.7 GHz (16) x86 cores
Networking	Mellanox Connect-X3 Dual 10 GbE NIC per CPU. Supports RDMA over Converged Ethernet (RoCE)
Memory	Up to 128 GB of ECC dual channel RDIMMs DDR4 (2133 MHz) memory
Warranty	3-year - NOTE: Chassis Warranty includes 3-year parts, 3-year labor, 3-year onsite support and Server Cartridge warranty includes 3-year parts, 0-yearl, 0-Year onsite support.

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.

- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.

- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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