

HPE ProLiant m710x Server Blade



What's new

- Intel's 6th Generation Skylake SoC (System on a Chip) with integrated Intel Iris Pro Graphics P580 enables real time transcoding of HEVC up to four 4K streams at 30 FPS.
- iLO on cartridge means you can now view and control all of your Moonshot servers remotely.
- Significantly expanded memory and storage from previous generation. Up to 64 GB DDR4 and up to 4 TB of NVMe.

Overview

HPE ProLiant m710x Server Blade is redefining several of today's most demanding workloads. Video Transcoding: Managing the exponential growth of video content is placing a massive strain on existing transcoding infrastructures. Moonshot can deliver more streams per rack unit, per watt and per dollar without the need for data center expansion. Application Delivery with Citrix XenApp: To meet the needs of an increasingly mobile workforce, employees must have access to applications from any location, on any device, at any time. This cost-efficient and flexible solution supports a broader range of applications to a broader set of users. NoSQL Apache Cassandra™ with DataStax Enterprise: Organizations are struggling to deliver real time business insight under dynamic and high volume workloads due to complexity and cost of

legacy technologies. We enable a scalable distributed database designed to handle large amounts of data, effortlessly and predictably with exceptional performance.

Features

The Hewlett Packard Enterprise Video Transcoding Portfolio Continues to Evolve

The HPE ProLiant m710x Server Blade provides up to 40% more streams per rack when compared to the previous generation.

Real time HEVC 4K transcoding is here. The ProLiant m710x Server is able to transcode up to four simultaneous real time 4K streams in HEVC .

The ProLiant m710x Server continues the trend of unparalleled density showcased in previous generations. More streams per rack, for less power and floor space compared to traditional 1U servers.

Uniquely Optimized Application Delivery Solution Designed for the New Global, Mobile Workspace

HPE Moonshot running Citrix XenApp supports better real-time decision-making; have immediate access to graphics-intensive information, with no latency issues, no performance degradation, and no quality of service problems.

Deliver any application, from basic/simplistic Microsoft Office applications to very sophisticated multi-media healthcare applications—all on a single hardware platform.

Achieve Exceptional Performance and High Scalability for Apache Cassandra with DataStax Enterprise

Avoid paying for additional IT infrastructure, HPE Moonshot with DSE simplifies your application environment and increases capacity and utilization with a much smaller footprint.

Scaled to meet demand, deliver greater compute density and configuration simplicity even as you grow. Simply add more server blades.

Technical specifications

HPE ProLiant m710x Server Blade

Compatible operating systems	Windows Server, Windows, Ubuntu, RHEL, SUSE SLES, CentOS, Xenserver, VMware ESXi
Enclosures	Moonshot 1500 Chassis
Storage	Up to 4T B of NVMe SSD with 1 GB per sec read/write
Supported workloads	Media processing, mobile workspace, big data and analytics
Compute nodes	Intel E3-1585Lv5, 3.0 GHz (3.7 GHz Turbo), (4) x86 cores, and integrated graphics with Intel Iris Pro Graphics P580
Networking	Mellanox Connect-X3 dual 10GbE NIC per CPU. Supports RDMA over Converged Ethernet (RoCE)
Memory	Up to 64 GB of ECC dual channel DDR4 (2133 MHz) SODIMM Low Voltage 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-Year Labor, 0-Year Onsite support.



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

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.

Consulting 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.

Operational 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.

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.

[The Defective Media Retention \(DMR\)](#) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. [Comprehensive Defective Material Retention \(CDMR\)](#) allows you to keep all data retentive components.

HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading 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, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

**Make the right purchase decision.
Contact our presales specialists.**

[Call for availability](#)



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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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