Product Brief

HPE EBox

Global AI Data Anywhere

The strategic alliance between HPE and VAST Data delivers industry-leading infrastructure with the VAST AI OS. Building on HPE GreenLake for File Storage success, HPE EBox extends customer choice as a VAST Certified System for self-managed deployments on HPE infrastructure.

VAST's Disaggregated Shared Everything architecture separates stateless compute nodes from shared storage, enabling data access over NVMe over Fabrics with 99.999% availability. The VAST ZERO downtime guarantee ensures continuous data availability during failures or upgrades. HPE EBox combines HPE ProLiant servers with AMD® EPYC™ processors and the VAST AI OS for AI workloads at scale.

VAST integrates similarity-based data reduction that can amplify raw flash capacity by 5x to 10x, erasure codes provide extreme durability with only 2.7% overhead, and intelligent write shaping extending QLC flash to 10-year lifetimes. Joint TCO research demonstrates 58.9% lower total cost versus HDD-based systems. VAST DataSpace extends a global namespace across HPE EBox clusters and cloud with strict consistency for distributed AI collaboration.

HPE EBox provides the AI-ready storage foundation for the NVIDIA® AI Data Platform powered by VAST DataEngine for demanding AI training, inference, and RAG workloads.

Flexibility

Choose GreenLake managed service or self-managed EBox deployment flexibility.

Economics

Increase flash capacity 5x-10x with 58.9% lower TCO versus HDD-based systems.

Hybrid

Global namespace spans data center clusters and cloud with strict consistency.

Unify AI data across data center and cloud with HPE EBox and VAST AI OS

	Type	Quantity
Processor	AMD EPYC™ 48-core, 9454P 2.75 GHz	1x
Memory	UP to 256GB DDR5 DIMM @4800MT/s	
Data Connectivity	NVIDIA® CX7 200Gbs Ethernet/Infiniband	
Mgmt Connectivity	1GbE Broadcom NetExtreme BCM5719	1x
Boot	960GB M.2 NVMe SSD	1x
NVMe SSDs	1TB or 2TB Storage Class Memory (SCM) 15TB,30TB, or 60TB QLC Hyperscale Flash	2x/3x 8x/7x
Management	HPE Integrated Lights-Out (iLO)	
Model	HPE ProLiant DL325 Gen 11 1RU rack mount server	

Per Node	
Raw Capacity	270 TB (540 TB / 1080 TB)
Read BW	22 GB/s
Write BW	10.5 GB/s



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