InfiniBox®

Enterprise Storage that Scales, Learns and Evolves

The InfiniBox® enterprise storage array delivers faster-than-all-flash performance, high availability, and multi-petabyte capacity for mixed application workloads. Zero-impact snapshots, synchronous replication, asynchronous replication, and data-at-rest encryption assure maximum reliability and data security. With InfiniBox, enterprise IT organizations and cloud service providers exceed their service level objectives while lowering the cost and complexity of their storage operations.

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HIGH PERFORMANCE

A truly innovative cache management algorithm combined with an ultra-efficient data layout (InfiniRaid™) delivers maximum performance at a fraction of the cost of all-flash arrays. High throughput, at sub-millisecond latency, is the key to high performance operation as well as powering synchronous and asynchronous replication for block and file.

HIGH AVAILABILITY AND RELIABILITY

InfiniBox's self-healing architecture, combined with our patented InfiniRAID™ and predictive failure analysis, delivers seven nines (99.99999%) availability and non-disruptive upgrades. The InfiniBox hardware redundancy design (n+2) enables rapid recovery from any component failure.

MULTI-PETABYTE SCALE

Maximum system capacity utilization is possible due to extremely efficient thin provisioning, continuous space reclamation, and inline data compression. Packaged in a single 42U rack and scaling to well over 8PB or more effective capacity, multiple system consolidations are easy to accomplish and remarkably cost-effective.

BUSINESS AGILITY AND CONTINUITY

Space-efficient, low impact snapshots simplify data protection as well as accelerating agile development and quality assurance with nearly infinite copies of your data. Integrated synchronous and asynchronous replication provides the highest levels of data reliability for both onsite and offsite business continuity and disaster mitigation planning.

SIMPLE AND POWERFUL MANAGEMENT FOR MULTI-TENANT ENVIRONMENTS

An intuitive HTML5 GUI simplifies the most complex storage management operations. A comprehensive RESTful API and a powerful CLI help automate complex tasks, including policy management for Quality of Service. Easily facilitate service level coordination across tenants, workloads, and volumes. Monitor and measure all feature performance elements using InfiniMetrics.

UNIFIED STORAGE

InfiniBox concurrently provides FC, iSCSI and NFSv3 NAS protocols in a single, common platform managed through a single, simple, and consistent management interface.

CONNECTIVITY AND INTEGRATION

InfiniBox integrates with the critical business applications in your datacenter using native interfaces. The InfiniBox ecosystem includes a rich solution portfolio for platforms such as virtualization, databases, backup & recovery, and more.
Our fast and intuitive host connectivity and storage provisioning - Host PowerTools - reduces management tasks from days or hours to seconds!

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InfiniBox Specifications

	F6000	F4000	F2000
Capacity			
Usable Capacity	1.037 PB to 4.149 PB	.512 PB to 2.050 PB	.249 PB to .499 PB
Effective Capacity*	2.074 PB to 8.298 PB	1.024 PB to 4.100 PB	.498 PB to .998 PB
Performance Features			
Memory	Up to 3.072 TB	Up to 2.304 TB	Up to 768 GB
Flash Cache	Up to 207 TB	Up to 207 TB	Up to 103 TB
IOPS	1.3M IOPS	975K IOPS	650K IOPS
Throughput	15.2 GB/s	12.2 GB/S	8.5 GB/s
Connectivity and Integration			
FC Ports	24 x 8Gbps		
Ethernet Ports	12 x 10GbE		
Ecosystem Integration	VMware, OpenStack, CommVault, Veeam, Veritas, Microsoft, SAP, Host PowerTools for Linux, UNIX, Windows		
Availability and Protection			
Fully Redundant Hardware	N+2 Redundant System Components, Resilient Against Multiple Concurrent Failures Active/Active/Active Redundant Nodes		
Data Protection	In-Line and At-Rest Data Integrity Verification, Fast High-Capacity Media Recovery Read/Write and Immutable snapshots for Volumes, Filesystems, and Consistency Groups Synchronous and Asynchronous Replication		
Scalability			
Max. Volume/File System Size	Unlimited		
Max. Files per Directory/File System	> 17B		
Max. Number of Volumes	Unlimited		
Max. Number of Snapshots	100,000+		
Max. Number of File Systems	4,000		
Max. File Size	> 1PB		
Support and Service	Three Years, 24 x 7 Support with Assigned Technical Advisor at No Additional Cost		
Pricing and Licensing			
System Feature Licensing	All Features are Included at No Additional Cost		

Effective Capacity includes the benefits of thin provisioning, inline compression, and space-efficient snapshots

InfiniBox Physical and Environmental Characteristics

	F6000	F4000	F2000
Power Consumption	8 kW	5.5 kW	3.5 kW
Form Factor	Standard 19" 42U Rack	26U in a Standard 19" 42U Rack	18U in a Standard 19" 42U Rack
Maximum Weight,	1,207 kg (2,661 lb)	835 kg (1,841 lb)	593 kg (1,308 lb)
Operating Temperature	10°C – 30°C (50°F – 85°F)		
Altitude (max)	3,050 m (10,000 ft)		
Humidity	25% – 80% non-condensing		
Service Clearance Front/Rear	120 cm / 45 cm (47.24 in / 17.8 in)		
Input Voltage	North America: Single-phase: 208V International: Single-phase: 220V		Three-phase: 208V between phases Three-phase: 380V between phases
Input Current	N. America: Single-phase: 4 inputs, 30A each Three-phase: 2 inputs, 3*30A each Int'l: Single-phase: 4 inputs, 32A each Three-phase: 2 inputs, 3*16A each		N. America: Single-phase: 2 inputs, 30A each Three-phase: 2 inputs, 3*30A each Int'l: Single-phase: 2 inputs, 32A each Three-phase: 2 inputs, 3*16A each
Input Power Frequency	50/60 HZ		
Cooling	27,500 BTU/Hour	18,800 BTU/Hour	12,000 BTU/Hour
Safety/EMC	Safety: EN 60950-1, CSA/UL 60950-1, IEC 60950-1 Ed 2 EMC: EN 55022 (CISPR 22), EN 55032 (CISPR 32), EN 55024 (CISPR 24), EN 61000-3-2, EN 61000-3-3, FCC Part 15, ICES-003 Issue 5		

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