INFINIDAT

InfiniBox Specifications

Models: F6300E | F4300E | F2300

The InfiniBox enterprise-class, primary storage platform sets the industry standard when it comes to the critical combination of price, performance, capacity, and features. Infinidat's software-defined operating system, InfuzeOS™, drives the platform's powerful 3-way active controller architecture and delivers outstanding performance for both block and file services, availability, resilience, and usability. InfiniBox is a powerful and greener platform that gives organizations the ability to consolidate more workloads in the same floor space resulting in significant reductions in OpEx!

The Best Performance at Scale
Infinidat's patented, machine learning algorithms power Neural Cache and provide unrivaled performance at scale. Performance is even guaranteed![1]

Significant Economic Benefits
According to IDC research commissioned by Infinidat, InfiniBox customers saw overall OpEx expenses cut nearly in half with payback in less than a year.[2]

InfiniSafe: Comprehensive Cyber Resilience
Powerful and flexible, zero-impact snapshots with immutability provide the foundation for InfiniSafe®, Infinidat's cyber storage stack, which is included across all Infinidat platforms. InfiniSafe cyber storage guarantees[3] provide added assurance.

Add on InfiniSafe Cyber Detection to enhance InfiniSafe's ability to create cyber storage resilient environments through threat detection and analysis.

World-class Data Services
Patented InfiniRAID® technology ensures data integrity and availability. Data-at-rest encryption ensures your data is safe. Best-in-class replication capabilities help ensure business continuity.

100% Availability Guaranteed
Infinidat's 100% availability guarantee[4] means zero downtime.

Simplified User Experience
InfiniOps™ technologies make InfiniBox incredibly easy to use. Machine learning and cloud-based AI enhance the InfiniBox with autonomous and automated capabilities that take the guesswork and cost out of many complicated storage functions. This reduces management costs and can save up to 51%[2] in management time, freeing up time and money back for other critical IT tasks.

InfiniBox®

New SSA Express All-Flash Workload Capable

SSA Express adds all-flash workload performance within the InfiniBox platform for performance-sensitive applications that require rapid, low-latency response.

Available Q4 2023[5]

InfiniBox Spec Sheet

InfiniBox F6300E and F4300E System Specifications

Capacity	F6300E	F4300E
Useable Capacity	1.0PB to 6.915PB	512TB to 2.0PB
Effective Capacity[6]	2.5PB to 17.287PB	1.3PB to 5.0PB

Performance Features		
Memory	Up to 3.072TB	Up to 2.304TB
Flash Cache	Up to 368TB	Up to 368TB
IOPS	2.0M IOPS[7]	1.4M IOPS[7]
Throughput	Up to 38GB/s	Up to 28GB/s
SSA Express[5]	Up to 60TB with 1.92 drives and up to 320TB with 7.68TB drives	

Connectivity and Integration	
FC Ports	24 x 16Gbps, 32Gbps Optional
Ethernet Ports	12x 25GbE/10GbE + 6x 10GbE OR 18x 25GbE in All Ethernet Option
Protocol Support	SMB/NFS, NVMe, TCP, FC
Ecosystem Integration	VMware, Kubernetes, Microsoft, OpenStack, CommVault, Rubrik, Veeam, Veritas and more
Host-side Tools	Infinidat Host PowerTools and Host PowerTools for VMware simplifies the management of servers and storage, enabling different IT teams to easily work together and provide greater data access and availability.

Availability and Protection	
Fully Redundant Hardware	N+2 Redundant System Components, Resilient Against Multiple Concurrent Failures Triple-Active Redundant Nodes
Data Protection	FIPS 140-2 Validated In-Line and At-Rest Data Integrity Verification, Data-at-Rest Encryption, Fastest Media Rebuild in the Industry Petabyte-Scale Snapshots with Zero Performance Impact; Readable/Writable and Immutable Snapshots Active/Active Replication, Synchronous Replication, and Asynchronous Replication

Scalability	
Max. Volume/File System Size	Unlimited
Max. Files per Directory/File System	>17B
Max. Number of Volumes + Snapshots	100,000
Max. Number of File Systems	4,000
Max. File Size	1PB

Support and Service	
	Three Years, 24x7 Support with Assigned Technical Advisor at No Additional Cost

Pricing and Licensing	
System Feature Licensing	All features are Included at No Additional Cost

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InfiniBox Spec Sheet

InfiniBox F6300E and F4300E Physical and Environmental Characteristics

	F6300E	F4300E	
Power Consumption (typical)	7 kW	4.5 kW	*based on historical telemetry data
PDU Power (maximum)	9.8kW	6kW	
Form Factor	Standard 48.26 cm (19 in) 42U Rack	26U in a Standard 48.26 cm (19 in) 42U Rack	
Maximum Weight	1,176 kg (2,593 lb)	795 kg (1,753 lb)	
Operating Temperature	10°C–30°C (50°F–85°F)		
Altitude (max)	3,000 m (9,800 ft)		
Humidity	25%-80% non-condensing		
Service Clearance: Front/Rear	120 cm/45 cm (47.24 in/17.8 in)		
Input Voltage and Current — North America:	Dual-phase: 208VAC, 2W+PE, NEMA L6-30P, 24A, 50/60Hz		
	Three-phase: 120Y/208VAC, 3W+N+PE, NEMA L21-30P, 24A, 50/60Hz		
	Three-phase: 120Y/208 VAC, 3W+PE, NEMA L15-30P,24A, 50/60Hz		
	Three-phase: 208VAC, 3W+PE, 60Hz, IEC-60309 , 48A (60A derated), 50/60Hz		
International:	Single-phase: 220-240VAC, W+N+PE, IEC-309, 32A, 50/60Hz		
	Three-phase: 220/380-240/415VAC, 3W+N+PE, IEC-309, 16A, 50/60Hz		
Input Power Frequency	50/60 HZ		
Max Cooling Requirements	33,348 BTU/Hour	20,472 BTU/Hour	
Certification Standards	EN 55032 - (CISPAR 32), EN 55035, (CISPAR 35), EN 61000-3-2, EN 61000-3-3		
	FCC Part 15, ICES-003		
	Safety: IEC/EN/UL 62368-1		
	EU CE Mark		
	ROHS: EN 50581 – 2012		
	REACH: Regulation No. 1907/2006 (Article 33)		

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InfiniBox Spec Sheet

InfiniBox F2300 System Specifications

Capacity	F2300
Useable Capacity	249TB to 499TB
Effective Capacity[6]	622TB to 1.2PB

Performance Features	
Memory	Up to 1.152TB
Flash Cache	Up to 92TB, 368TB Optional
IOPS	980K IOPS[7]
Throughput	14 GB/s

Connectivity and Integration	
FC Ports	24x 16Gbps, 32Gbps Optional
Ethernet Ports	12x 25GbE/10GbE + 6x 10GbE
Ecosystem Integration	VMware, OpenStack, CommVault, Rubrik, Veeam, Veritas, Microsoft, SAP, Host PowerTools, UNIX, Windows

Availability and Protection	
Fully Redundant Hardware	N+2 Redundant System Components, Resilient Against Multiple Concurrent Failures Triple-Active Redundant Nodes
Data Protection	FIPS 140-2 Validated
	In-Line and At-Rest Data Integrity Verification, Data-at-Rest Encryption, Fastest Media Rebuild in the Industry
	Petabyte-Scale Snapshots with Zero Performance Impact; Readable/Writable and Immutable Snapshots
	Active/Active Replication, Synchronous Replication, 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, 24x7 Support with Assigned Technical Advisor at No Additional Cost

Pricing and Licensing	
System Feature Licensing	All features are Included at No Additional Cost

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InfiniBox F2300 Physical and Environmental Characteristics

	F2300
Power Consumption (typical)	3.6kW
Form Factor	S18U in a Standard 48.26 cm (19 in) 42U Rack
Maximum Weight	583 kg (1,286 lb)
Operating Temperature	10°C–30°C (50°F–85°F)
Altitude (max)	3,000 m (9,800 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: 208 VAC | Three-phase: 120Y/208 VAC, 50/60 HZ
International:	Single-phase: 200-240 VAC | Three-phase: 220/380-240/415 VAC, 50/60 HZ
Input Current	
North America:	Single-phase: 2 inputs, 24A each Three-phase: 2 inputs, 3*24A each
International:	Single-phase: 2 inputs, 32A each Three-phase: 2 inputs, 3*16A each
Input Power Frequency	50/60 HZ
Cooling	12,300 BTU/Hour
Certification Standards	EMC: EN 55032 - (CISPR 32), EN 55024 or EN 55035, (CISPR 24/32), EN 61000-3-2, EN 61000-3-3, FCC Part 15, ICES-003 SAFETY: IEC/EN/UL 62368-1, IEC 60950-1:2005 ROHS: EN 50581 - 2012 REACH: Regulation No. 1907/2006 (Article 33)

[1] Performance guarantees require a detailed performance analysis of workloads for a guaranteed SLA - Terms and conditions apply
[2] IDC White Paper, Sponsored by Infinidat, The Business Value of Infinidat Storage, Doc. #US49976922, February 2023
[3] We guarantee the recoverability of an immutable snapshot and complete the snapshot recovery within 1 minute - Terms and conditions apply
[4] 100% Availability is based on our 100% data availability guarantee - Terms and Conditions apply
[5] Available Q4 2023
[6] Effective Capacity includes the benefits of thin provisioning, inline compression, and space-efficient snapshots
[7] For NFSv3; IOPs for FC/ISCSI are 1.4M for F6300E, 1.0M for F4300E, and 700k for F2300.