

Models: F14ST SSA | F24ST SSA | F24NT/NQ SSA

The InfiniBox SSA G4 enterprise-class, all-flash primary storage platform, sets the industry standard when it comes to the critical combination of price, performance, capacity, features, and business outcomes. Infinidat's software-defined operating system, InfuzeOS™, drives the platform's powerful 3-way active controller architecture and neural cache to deliver exceptional diverse workload performance, availability, and cyber resilience all backed by our guarantees. InfiniBox SSA is a powerful and greener platform that gives enterprises the ability to consolidate more workloads in the same floor space resulting in significant reductions in OpEx and carbon footprint.

What's New in InfiniBox SSA G4

InfiniBox SSA G4 creates a powerful, new foundation leveraging the AMD EPYC™ CPU with PCI Express 5.0 to support faster devices with massive bandwidth and blistering I/O speeds. The result is up to a 2.5X increase in overall performance!

Additionally, InfiniBox SSA G4 further enhances your ability to consolidate workloads and create more efficient IT operations, thereby lowering OpEx with increased savings on power, cooling, and data center floor space. With 33% more cores per controller node, power can be reduced by 20% per core, on average.

Our updated all-flash storage solutions offer the flexibility of an all-flash array with SAS-4 or NVMe backend options. The G4 family now provides new low-capacity models that are customer rack installable and start at usable capacities as low as 77TB (231TB effective), which results in a lower entry price up to 29% better than previous models with over 2x the bandwidth and over 32% overall performance gains! Designed to deliver all the enterprise InfiniBox SSA capabilities with a full triple redundant architecture and all the InfuzeOS features customers require, including S3 native protocol support. The F14ST, F24ST, and F24NT/NQ with 30.72TB and 61.44TB TLC/QLC SSDs enable non-disruptive flexible scale-up storage capacity options.

The InfiniVerse® Platform

InfiniVerse is an enterprise, platform-native storage architecture that delivers comprehensive data services. InfiniVerse is being extended to provide users with an easy, cloud-like experience across their Infinidat estates, whether on-prem or in the cloud. InfiniVerse helps enterprises focus on meaningful business outcomes and simplifying technology operations to minimize the hybrid complexity of physically distributed storage infrastructure across multiple domains.



Benefits

SLA-based Guarantees

The top business outcomes that customers strive for in their IT operations are performance, availability, and cyber resilience. Our SLA-based guarantees ensure they achieve all three:



100% Availability Guarantee²

Our N+2 controller design and InfiniRAID® data protection provide constant monitoring, self-healing, and graceful recoveries from hardware failures on all levels. This design produces a high degree of resilience, enabling Infinidat to guarantee 100% system availability—no downtime!



Performance Guarantee³

Infinidat will tailor a set of iron-clad performance service level guarantees based on an understanding of your business use cases and workloads.



InfiniSafe Cyber Storage Guarantees⁴

InfiniSafe Cyber Storage Guarantees build on our core InfiniSafe technology and guarantee both recoverability of immutable snapshots and recovery in less than a minute, regardless of data set size.

Best Financial Value and Payback

Infinidat offers the storage industry's best financial value. Companies who make the switch to Infinidat save millions in OpEx and CapEx, with ROI in less than a year. The InfiniBox SSA G4 provides a compelling, all-flash platform for consolidation, making a very strong economic argument. When an enterprise consolidates 5, 10, or 20 arrays, it dramatically reduces sprawl and all the associated management and control concerns. There are also the significant OpEx benefits of reduced power, cooling, and floor space. Once you've consolidated to an InfiniBox SSA G4, you only have one array to secure and preserve data from, to decommission, and to recycle at the end of its lifecycle, further compounding your time and cost savings.

Sustainable Storage

The enterprise platform-native storage architecture of Infinidat arrays is designed to deliver larger quantities of data more efficiently, freeing up rack and floor space while reducing energy consumption (kWh). Customers benefit from using fewer storage arrays while increasing their storage capacity, leading to a lower cost of power and cooling per TB of storage and a reduction in carbon footprint.

Many customers consolidate other vendors' arrays into Infinidat's power-efficient arrays to achieve substantial CapEx and OpEx savings and further their Green IT initiatives.

About InFuzeOS

Infinidat's InFuzeOS is the only single, software-defined storage (SDS) architecture that spans all platforms. InFuzeOS drives the most powerful capabilities, performance, availability, cyber storage resilience, economics, and business outcomes of our industry-acclaimed storage platforms.

S3 protocol support has now been tightly integrated into InFuzeOS enabling S3 object storage workloads and hybrid multi-cloud use cases that leverage the cloud native protocol directly within the InfiniBox family.

The Business Value of InfiniBox Hybrid Storage⁵

48%

Reduced overall OpEx

162%

5-year ROI

\$1.29M

Annual average benefits per system

11 mo

Payback in 11 months

Platform Highlights

Next-Gen Data Protection and Recovery – Powered by InfiniSafe

Infinidat provides comprehensive, end-to-end data protection that is cyber-centric with guaranteed recovery and integrated cyber data resilience for today's modern diverse workloads. Award-winning, secure-by-design, InfiniSafe technologies enable comprehensive cyber resilience capabilities for all Infinidat solutions. With InfiniSafe you receive the capabilities to easily orchestrate data protection and integrate into existing security solutions to help reduce the threat window and further leverage your detection and containment to help mitigate risk and rapidly recover from a cyberattack. InfiniSafe core technology leverages immutable snapshots, creates a local or remote logical air gap, easily establishes a fenced forensic environment, and provides near-instantaneous recovery from cyberattacks. InfiniSafe Automated Cyber Protection reduces the threat window for cyberattacks, enabling integration into your SOC, SIEM, or SOAR applications. A security-related incident triggers immediate automated immutable snapshots of data, providing the ability to protect data on your primary storage systems and ensure cyber recovery.

Lastly, Our InfiniSafe Cyber Detection option further extends cyber prevention by validating the integrity of your immutable snapshots using powerful, ML-based scanning engines. Comprehensive AI-driven machine learning detects ransomware and malware attacks with up to 99.99% accuracy so you can quickly and easily identify the last known good copy of your data for rapid, intelligent recovery. Our InfiniSafe Cyber Storage Guarantees provide added assurance.

Unified Storage Platform –Block, File and Object

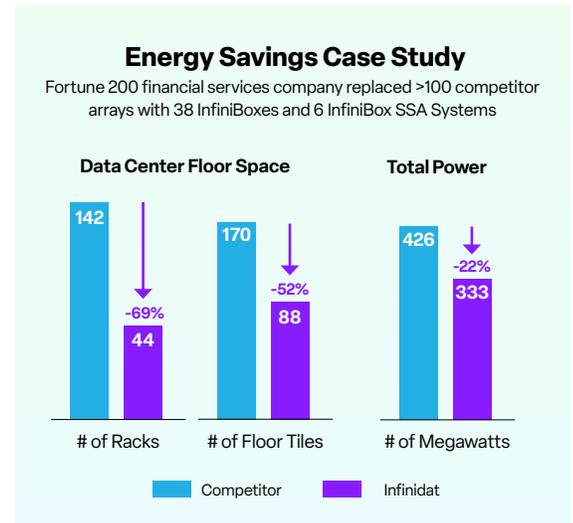
With InfuzeOS, InfiniBox G4 can support diverse block, file and S3 object storage workloads and use cases simplifying the deployment of modern IT infrastructures to support structured and unstructured in a single platform. All protocols are native to the platform – not through a gateway or external product, as others provide.

World-class Data Services

Patented InfiniRAID technology ensures data integrity and availability. Data-at-rest encryption ensures your data is safe, down to the individual device level. Best-in-class replication provides multi-site asynchronous replication with an RPO of as little as 4 seconds and synchronous and fully active-active capabilities that give the best options to ensure business continuity and seamless migrations of your Infinidat storage solutions.

Automated Intelligence Layer

InfiniOps™ technologies make InfiniBox SSA G4 incredibly easy to use and manage. Machine learning and cloud-based AI enhance the InfiniBox SSA G4 with autonomous and automated capabilities that take the guesswork and cost out of many complicated storage functions. The result is reduced management costs and savings of up to 51% in management time, removing a significant portion of overhead and time to value, for other critical IT tasks, and helping to reduce the IT skills gap challenge.⁵



White-glove Service and Support

Outstanding “white-glove” service and support are included. This service starts during the discovery process to fully understand your business, workloads, and use cases. We then architect the right solution for those needs and create an SLA-based guarantee.

Additionally, each Infinidat customer has a dedicated Technical Advisor, at no additional cost, who stays in touch every step of the way, providing proactive tips, support, and best practices, to ensure you meet your business objectives.

Our support teams are available 24x7 and monitor for any issues that may arise. Frequently we are proactive in response to issues you may not even be aware of yet. Our support starts at L3, eliminating any long escalation paths, to resolve issues quickly.

Industry-recognized Customer Experience

Infinidat is a seven-time Gartner Peer Insights Customer’s Choice.⁶ InfiniBox SSA has a rating of 4.9 stars out of 5 rating for primary storage. 98% of customers indicate their willingness to recommend Infinidat to their peers.⁷

InfiniVerse Consumption Flexibility

Infinidat simplifies the procurement and consumption process with options that include traditional CapEx purchases and consumption-based STaaS models to suit various business outcomes.



FLX

Our consumption-based, pay-as-you-grow STaaS solution is for customers who want cloud-like operations and economics for their on-prem or hybrid, multi-domain estate. Infinidat will ensure that your storage consumption meets your SLAs or will provide the necessary upgrades to support your required business outcomes.



Capacity on Demand (COD)

Customers can own and control the hardware with the flexibility to pay for the baseline capacity they need today and purchase additional capacity over time.



CapEx

Traditional ownership where storage hardware is purchased for on-premises deployment.

From Our Customers

“Support response is quick and knowledgeable. Product performance is exceptional and maintenance and day-to-day operation is easy.”

Infrastructure and Cloud Architect
Insurance Industry

“Infinidat’s management interface has to be the easiest and most user-friendly... Performance is also outstanding.”

Systems Engineer
Healthcare & Biotech

“Infinidat has been a rock-solid platform. The stability and performance are second to none.”

Systems Engineer
Financial Services

“Infinidat has surpassed our expectations for performance, reliability, operational efficiencies, and personal customer service.”

Principal Network Systems Architect
Manufacturing



InfiniVerse Mobius

With InfiniBox SSA G4 traditional CapEx storage ownership is modernized with a subscription for hardware and software upgrades to keep your investment modern and cutting-edge. We ensure that your InfiniBox SSA G4 will always have the best available controller and performance over its lifetime. Modernize your storage infrastructure on an ongoing basis without disruption.

Regardless of which procurement method, customers get the full performance capabilities of the entire platform, even if using only part of the overall capacity. All enterprise features and reliability are included along with white-glove service and support.

AI Workloads Leverage InfiniBox

Generative AI (GenAI) needs continuous augmentation with new, trusted, and accurate data to enhance and maintain its reliability. Retrieval Augmented Generation (RAG) has emerged as a valuable tool to bridge this gap and improve accuracy. With Infinidat's RAG workflow deployment architecture, enterprises can use their InfiniBox SSA G4 primary storage system as the basis for optimizing the output of AI models without the need to purchase any specialized storage equipment. The InfiniBox advantage to RAG primarily centers around our ability to provide the best-performing storage platform for this workload with innovations like Neural Cache to create fast and responsive AI models of existing private datasets, unlocking fresh insights and streamlining workflows.

Contact your Infinidat representative or channel partner for more information.

InfiniBox™ SSA G4

InfiniBox SSA G4: F14ST, F24ST, F24NT/NQ SSA System Specifications

Capacity and Memory	F14ST SSA	F24ST SSA	F24NT/NQ SSA
Min Useable Capacity (TB/TiB)	168/152.7	428/389	77/70
Max Useable Capacity (TB/TiB)	836/760	3,353/3,048	1,970/1,791
Min Effective Capacity ⁸ (TB/TiB)	504/458.2	1,284/1,167.2	231/210
Max Effective Capacity ⁸ (TB/TiB)	2,508/2,280	10,059/9,144	5,910/5,373
Memory - Total DRAM (GB)	1,536	1,536 - 4,608	1,536 - 2,304

*Total Max Capacity may vary based on base capacity of the system. Contact your sales/partner rep for details.

Performance Features	F14ST SSA	F24ST SSA	F24NT/NQ SSA
Latency	As low as 35µs	As low as 35µs	As low as 35µs
IOPS ¹	Up to 1.9M IOPS	Up to 2.24M IOPS	Up to 2.24M IOPS
Throughput ¹	Up to 35GB/s	Up to 64GB/s	Up to 64GB/s

Connectivity and Integration

Total Ports per System	F14ST SSA	F24ST SSA	F24NT/NQ SSA
1U nodes	N/A	N/A	12
2U nodes	24	24	24
FC32 Ports ¹	24	24	24
Ethernet 25/10 (GbE) ¹ Up to	18	18	24
Ethernet 100 (GbE) ¹ Up to	12	12	12

Protocol Support	SMB/NFS, NVMe-oF/TCP, iSCSI, FC, S3
Ecosystem Integration	VMware, Kubernetes, Microsoft, OpenStack, CommVault, Rubrik, Veeam, Veritas, Red Hat OpenShift Virtualization & 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 140-3 submitted and pending 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 Files Size	1PB

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

System Feature Licensing	All features are included at no additional cost
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InfiniBox SSA G4: F14ST, F24ST, F24NT/NQ SSA System Specifications

	F14ST SSA	F24ST SSA	F24NT/NQ SSA	
Power Consumption (typical) ⁹	2.1kW	3.1kW	2.1kW	
Cooling Requirements (typical)	7,165BTU/hr	8,530BTU/hr	7,165 BTU/hr	
Maximum Weight	494kg	559kg	507kg	
Form Factor	14U	18U	11-14U	*Rack height required for installation in a 42U, height, 19 inch Infinidat rack. Optional install in a customer's rack, requires validation
Operating Temperature	10°C–30°C (50°F–85°F)			
Altitude (max)	3,000m (9,800 ft)			
Humidity	25%-80% non-condensing			
Service Clearance: Front/Rear	120cm/45cm (47.24 in/17.8 in)			
Input Voltage and Current	North America: Single/Dual-phase: 208 VAC, 24A, 3-pin, NEMA L6-30P, 2W+PE, 50/60Hz Three-phase: 120Y/208 VAC, 24A, 5-pin NEMA L21-30P, 3W+N+PE, 50/60Hz Three-phase: 120Y/208 VAC, 30A, 4-pin NEMA L15-30P, 3W+PE, 50/60Hz Three-phase: 208 VAC, 3W+PE, 48A (60A derated) 4-pin IEC-60309, 60Hz, F14xx not supported			
International:	Single-phase: 220V-240V VAC 50/60Hz, W+N+PE, 32A, 3-pin IEC-309 Three-phase: 220/380-240/415 VAC, 3W+N+PE, 50/60Hz, 16A, 5-pin IEC-309			
Certification Standards	EMC directive- 2014/30/EU - Electromagnetic Compatibility directive EN 55032 - 2015/A11:2020 (CISPR 32) EN 55035 - 2017/A11:2020 (CISPR 35) EN 61000-3-2, 2014, EN 61000-3-3, 2013 - Rack input current ≤ 16A per phase EN 61000-3-11, 2000, EN 61000-3-12, 2011 - Rack input current above 16A and below 75A per phase FCC Part 15, ICES-003 2014/35/EU - Low Voltage Equipment directive: IEC/EN/UL/CSA (NRTL) 62368-1 (2014/AC:2015) 2011/65/EU (2015/863/EU) - Restriction of the use of certain hazardous substances EN IEC 63000:2018 REACH Regulation No. 1907/2006 (Article 33)			

¹ May vary based on system configuration.

² 100% Availability is based on our 100% data availability guarantee - Terms and Conditions apply.

³ Performance guarantees require a detailed performance analysis of workloads for a guaranteed SLA - Terms and conditions apply.

⁴ We guarantee the recoverability of an immutable snapshot and complete the snapshot recovery within 1 minute - Terms and conditions apply.

⁵ IDC White Paper, Sponsored by Infinidat, The Business Value of Infinidat Storage, Doc. #US49976922, February 2023.

⁶ Gartner, Gartner Peer Insights "Voice of the Customer": Primary Storage Platforms, Peer Contributors, 24 February, 2025.

⁷ As of 12 November 2025, Infinidat InfiniBox SSA has an Overall Rating of 4.9 out of 5 in the Primary Storage Platforms market, based on 36 reviews on Gartner Peer Insights™.

⁸ Effective Capacity (EC) represents compressible data only.

⁹ Based on historical telemetry data. All models show power for maximum capacity configurations.