

PLATFORMS									
	Mini Series	R-Series	H-Series	M30	M40	M50	M60	F60	F100
Overview	Low Power, Footprint, and Noise Profile	High-Density Performance and Capacity, Value-Oriented	Low Power & Footprint, High Availability	High Performance, Large Capacity, and High-Availability				Maximum-Density Performance, Power Efficiency, Flash Powerhouse	
High Availability	No	No	Dual Controller	Dual Controller or Clustering				Dual Controller	
Target Use Case	Small Business, Edge, Home	Multi Purpose	Edge, Small and Medium Enterprise	Mission Critical Enterprise				Media Production, Enterprise, Virtualization, Multi-Purpose	
Form Factor	Mini Tower or 2U Rackmount	1U - 12U Rackmount	2U - 6U Rackmount	4U - 52U Rackmount				2U Rackmount	
Chassis Depth	Mini R 21", 531 mm	26-39", 660-990 mm	27", 686 mm	27", 686 mm				27", 686 mm	
Storage Architecture	HDD + Optional R/W Cache	HDD + Optional R/W Cache	HDD + R/W Cache or SSD only					NVMe SSD Only	
Storage	SATA	SATA/SAS/NVMe	SAS	SAS	SAS, NVMe			NVMe	
Write Cache	SATA SSD	SATA SSD, NVMe Option	SAS	SAS	NVDIMM			Distributed Write Log	
Read Cache Size	480 GB	Up to 3.2 TB	Up to 1.6 TB	800 GB	2.4 TB	12.8 TB NVMe		512 GB DRAM	
Cores per Controller	4 - 8	6 - 16	4 - 10	8	10	20	32	32	48
vCPU per Controller	4 - 8	12 - 32	8 - 20	8	20	40	64	64	96
RAM per Controller	16 - 64 GB	32 - 192 GB	64 - 256 GB	64 GB - 96 GB	192 GB	384 GB	768 GB	512 GB	
Expansion Shelves	0	2	1	1	2	8	12	2 (2024)	4 (2024)
Max Physical Storage	264 TB	Up to 5 PB	Up to 2.5 PB	1.8 PB	3 PB	10 PB	25 PB	720 TB	720 TB
Max Effective Storage*	528 TB	Up to 10 PB	Up to 5 PB	3.6 PB	6 PB	20 PB	50 PB	1.4 PB	1.4 PB
Bandwidth	1 to 20 Gbit/s	1 to 200 Gbit/s	1 to 200 Gbit/s	1 to 200 Gbit/s				200 Gbit/s	200 Gbit/s
Fibre Channel (option)	Not Available	4× 16 Gbps	N/A	2× 16 Gb	4× 16 Gbps	4× 16 Gbps or 2× 32 Gbps	4× 32 Gbps	N/A	N/A
Software	CORE or SCALE	Enterprise or SCALE	Enterprise	Enterprise or SCALE				Enterprise	
Enterprise File System	OpenZFS - File, Block, and Object Services - Open Source								
Data Management	Unlimited Snapshots, Pool checkpoints, Space-efficient Clones, Replication: Remote, Local, Auto-Resume, to Linux ZFS								
Data Reduction	Thin/Thick Provisioning, In-line Adaptive Compression, Clones, Deduplication, Trim								
Access Protocols	SMB 2/3, NFSv3/v4, rsync, SMB Multi-channel, NFSv4, iSCSI, VAAI, S3, Distributed Minio, Cloud Sync, HTTP/WebDAV, FTP								
Administration	IPMI, WebUI, REST API, SSH, SNMP, Syslog, LDAP, Kerberos, Active Directory, WebSockets API								
Manage Multiple Systems	With TrueCommand								

*Compression rates vary by application. 2x compression factor for Hybrid Arrays and 5x for All-Flash Arrays assumed.

SUPPORT	Mini Series	R-Series	H-Series	M-Series	F-Series
Hardware Warranty	1 Year	3 Years	Up to 6 Years, Worldwide, Advanced/On-Site Parts Replacement		
Software Support	Email	Worldwide, up to 24×365, Phone or Email			
Support Portal	Community Forums	iXsystems Support Enterprise Support Portal			
Deployment Services	Self-Deployment		Included Deployment, Performance Tuning, Proactive Monitoring Option		
Software Updates	Included		Included - Zero downtime upgrades with HA		

For more information: Contact iX at info@ixsystems.com or visit [TrueNAS.com](https://www.truenas.com)

©2024 iX, TrueNAS, TrueNAS CORE, TrueNAS Enterprise, TrueNAS SCALE, and TrueCommand are trademarks/registered trademarks of iXsystems, Inc. All Rights Reserved.