

					
General Features	⚡ TrueNAS All-Flash	TrueNAS Hybrid Storage	FreeNAS Certified	FreeNAS Mini	Build and Support Yourself
Target Use Case	Mission-Critical Enterprise Storage		General Business Storage	SoHo/SMB Storage	User-Defined
Form Factor	Modular 3U Rack Mount with Hot-Swappable Storage Controllers and Global Fault Notification LED		1U, 2U, 4U	Tower Enclosure Mini - 4 Bays Mini XL - 8 Bays	Your choice of CPU, RAM and form factor
High Availability Failover	Included	Optional	Not Available	Not Available	Not Available
Storage Architecture	All-Flash	Hybrid SSD/HDD	HDD/Optional Hybrid SSD in All-Flash Array	HDD/Optional Hybrid	User-Defined
Storage Technology	SAS All-Flash	SAS	SATA in All-Flash Array	SATA	User-Provided
Expansion Shelves Supported	4	8	0	0	User-Defined
Enclosure Management	Integrated	Integrated	Not Available	Not Available	User-Provided
Maximum Data Disks	80	480	26	Mini - 4 Mini XL - 8	User-Provided
Physical Storage Capacity	Up to 300TB All-Flash	Up to 4.8PB	HDD - Up to 240TB SSD - Up to 98.8TB	Mini - Up to 24TB Mini XL - Up to 48TB	User-Provided
Effective Storage Capacity*	3PB	12PB	HDD - 600TB SSD - Over 250TB	Mini - 60TB Mini XL - 120TB	User-Provided
Mirrored Boot Device	Included	Included	Optional	Optional	User-Defined
Ethernet Performance	Up to 40GbE	Up to 40GbE	Up to 40GbE	Up to 10GbE	User-Defined
Fibre Channel Performance	2GB, 4GB, 8Gb	2Gb, 4Gb, 8Gb	N/A	N/A	N/A
Fibre Channel Topologies	FC-SW, FC-P2P, FC-AL	FC-SW, FC-P2P, FC-AL	N/A	N/A	N/A
Vendor Certified	VMware, Citrix, Microsoft	VMware, Citrix, Microsoft	N/A	N/A	N/A
OpenZFS Enterprise File System	Included				
Snapshotting, Replication and Rollback	Unlimited				
Unified File and Block	Included				

*Compression rates vary by application. 2.5x compression factor for Hybrid Arrays and 10x for All-Flash Arrays is reflected in the effective capacity.



					
Support and Warranty	⚡ TrueNAS All-Flash	TrueNAS Hybrid Storage	FreeNAS Certified	FreeNAS Mini	Build and Support Yourself
Software Support	Up to 24/7	Up to 24/7	Not Available	Not Available	Not Available
Hardware Warranty	Up to 5 Years	Up to 5 Years	3 Years	1 Year	User-Defined
On-site Hardware Support	Up to 24/7	Up to 24/7	Up to 24/7	Not Available	Not Available
Deployment Services and Tuning	Included	Included	Not Available	Not Available	Not Available
Zero-Downtime Upgrades	Included	Optional with HA	Not Available	Not Available	Not Available
Integrated Support Portal	Included	Included	Not Available	Not Available	Not Available
IPMI Remote Management	Included	Included	Included	Included	Not Available
Web, SSH and SNMP Remote Management	Included				

	TrueFlash Z50	TrueNAS Z35	TrueNAS Z30	TrueNAS X20
Capacity (RAW)	Up to 300TB	Up to 3.84PB	Up to 888TB	Up to 720TB
Effective* Capacity	Up to 3PB	Up to 9.6PB	Up to 2.2PB	Up to 1.8PB
Expansion Shelves Supported	4	8	4	2
Storage Architecture	All-Flash	Flash + Disk	Flash + Disk	Flash + Disk
Network Performance	Up to Forty Gigabit	Up to Forty Gigabit	Up to Twenty Gigabit	Up to Ten Gigabit
Flash Read/Write Cache	None, All-Flash Storage	Up to 4TB	Up to 2.4TB	Up to 800GB
120TB Configuration (RAW)	Contact Sales	Starting Under \$40K	Starting Under \$30K	Starting Under \$25K
Hypervisor Certifications	Citrix Ready, VMware Ready	Citrix Ready, VMware Ready	Citrix Ready, VMware Ready	Citrix Ready, VMware Ready
Hybrid Storage Pools	None, All-Flash Storage	Yes	Yes	Yes
High-Availability Option	Included	Yes	Yes	Yes

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