









PLATFORMS									
	TrueNAS Minis	R-Series	TrueNAS X10	TrueNAS X20	TrueNAS M40	TrueNAS M50	TrueNAS M60		
Target Use Case	SoHO / Medium Office		Business Essential / Mission-Critical Enterprise Storage						
Form Factor	Mini Tower	1 U, 2 U, 4 U	2 U		4 U				
Modular & Tool-Less Hardware Platform	No		Yes						
High Availability	No		Yes, Hot Swappable Storage Controllers (1 or 2)						
Storage Architecture	HDD + Optional R/W Cache		HDD + R/W Cache or SSD only						
Storage Technology	SATA		SAS		SAS	SAS, NVMe			
Write Cache Technology	SATA SSD	SATA SSD	SAS3 SSD		NVDIMM				
Read Cache Size	480 GB	800 GB	400 GB	800 GB	2.4 TB	12.8 TB NVMe			
Cores per Controller	2 - 8	6 - 16	6	6	10	20	32		
vCPU per Controller	2 - 8	12-32	12	12	20	40	64		
RAM per Controller	8 - 64 GB	32 - 192 GB	32 GB	64 GB	128 GB	256 GB-384 GB		768 GB	
Expansion Shelves	0	2	2	2	2	8	12		
Max Physical Storage	100 TB	3 PB	500 TB	1 PB	2 PB	9 PB	20 PB		
Max Effective Storage*	200 TB	7 PB	1.2 PB	2.5 PB	5 PB	22.5 PB	50 PB		
Max Ethernet Speed	10 GbE	2x100 GbE	2x10 GbE	4x10 GbE	2x40 GbE	2x100 GbE	4x100 GbE		
Fibre Channel (option)	Not Available	4x16 Gbps	2x8 Gbps		4x16 Gbps	4x16Gbps or 2x32Gbps	4x32 Gbps		
SOFTWARE	 TrueNAS CORE		 TrueNAS Enterprise						
Enterprise File System	OpenZFS - File, Block, and Object Services - Open Source								
Data Management	Snapshots, Replication, Rollback, Clones, Encryption, Mirroring, RAIDZ1/Z2/Z3								
Data Reduction	Thin/Thick Provisioning, Compression, Clones, Deduplication								
Access Protocols	NFSv3, NFSv4, SMB, AFP, iSCSI, HTTP/WebDAV, FTP, S3								
Management Protocols	IPMI, WebUI, REST API, SSH, SNMP, LDAP, Kerberos, Active Directory								
Application Integration	Application Plugins		vCenter plugin, OpenStack Cinder driver						
Solution Integration	Unix, Linux, Windows, FreeBSD, MacOS		+ VMware, OpenStack, Citrix, Veeam						
SUPPORT	 TrueNAS CORE		 TrueNAS Enterprise						
Hardware Warranty	1 Year	3 Years	Up to 5 Years, Worldwide, Advanced/On-Site Parts Replacement						
Deployment Services	Self-Deployment		Included - Deployment, Performance Tuning, Proactive Monitoring						
Software Support	Email		Worldwide, up to 24x365, Phone or Email						
Software Updates	Included		Included - Zero downtime upgrades with HA						
Support Portal	Community		iXsystems Professional Support Included						

*Compression rates vary by application. 2.5x compression factor for Hybrid Arrays and 5x for All-Flash Arrays assumed.