



TrioNAS Series Comparison

TrioNAS LX HA



TrioNAS LX U300



TrioNAS U210



TrioNAS U120



99.999% availability, genuine active-active dual controller NAS with the fastest failover time

SAS enabled, multi-protocol unified NAS and hybrid NAS with amazing performance.

Cost-effective, affordable, entry-level unified NAS for SMB

Cost-effective, affordable, entry-level unified NAS for SMB

Hardware				
Controller	Active-active mode, dual controllers	Single controller	Single controller	Single controller
Processor	Intel Xeon dual cores	Intel Xeon E3, Intel Core i3	Intel Core i3 dual cores	Intel Atom dual cores
Memory per Controller	16GB DDR3 ECC	16GB, up to 32GB	16GB up to 32GB	4GB
Host Channels per Controller	TrioNAS LX U400HA: 1Gb ports x7 TrioNAS LX U600HA: 1Gb ports x3 10Gb SFP+ or RJ45 ports x2	1Gb ports x7 Optional: +10Gb SFP+ or RJ45 ports x2 ports +16Gb FC x2	1Gb ports x6	1Gb ports x2
Form Factor	2U12 3U16 4U24	3U16 4U24	2U12	1U4
Fan	Two redundant fan modules	Three redundant fan modules	Three system fan, one CPU fan	Two system fan
Maximum Drives Supported	256	192	12	4
Supported Drives	3.5 inch or 2.5 inch 6G SAS, SATA and SSD	3.5 inch or 2.5 inch 6G SAS, SATA and SSD	3.5 inch or 2.5 inch 6Gb SATA HDD and SSD	3.5 inch or 2.5 inch 6Gb SATA HDD and SSD
Expansion System	J300Q	J100	N/A	N/A
LCD Module	Built-in	N/A	N/A	N/A
Features				
RAID Levels	0, 1, 5, 6, 10, 50 and 60	0, 1, 5, 6, 10, 50 and 60	0, 1, 5, 6, 10, 50 and 60	0, 1, 5 and 10
Storage Pool	Dedicated hot spare disks, multiple RAID groups support, auto volume rebuilding, online pool expansion, offline pool roaming	Dedicated hot spare disks, multiple RAID groups support, auto volume rebuilding, online pool expansion, offline pool roaming	Dedicated hot spare disks, multiple RAID groups support, auto volume rebuilding, online pool expansion, offline pool roaming	Dedicated hot spare disks, multiple RAID groups support, auto volume rebuilding, online pool expansion, offline pool roaming
Data Services	SMB 2.0, NFS v3/v4, iSCSI target	SMB 2.0, NFS v3/v4, AFP 3.3, FTP/SFTP, WebDAV, iSCSI target	SMB 2.0, NFS v3/v4, AFP 3.3, FTP/SFTP, WebDAV, iSCSI target	SMB 2.0, NFS v3/v4, AFP 3.3, FTP/SFTP, WebDAV, iSCSI target
High Availability	Controller failover, ALUA support, automatic/manual controller fallback, network port failover/failback	N/A	N/A	N/A
Storage Efficiency	Thin provisioning, compression, SSD caching	Thin provisioning, inline deduplication, compression, SSD caching	Thin provisioning, SSD caching	Thin provisioning
Directory Services	Microsoft AD, Windows ACL, LDAP, UnifiedAUTH	Microsoft AD, Windows ACL, LDAP, Qsan UnifiedAUTH	Microsoft AD, Windows ACL, LDAP, Qsan UnifiedAUTH	Microsoft AD, Windows ACL, LDAP, Qsan UnifiedAUTH

TrioNAS LX HA



TrioNAS LX U300



TrioNAS U210



TrioNAS U120



99.999% availability, genuine active-active dual controller NAS with the fastest failover time

SAS enabled, multi-protocol unified NAS and hybrid NAS with amazing performance.

Cost-effective, affordable, entry-level unified NAS for SMB

Cost-effective, affordable, entry-level unified NAS for SMB

Features

Networking	Cluster IP, DHCP or static IP address assignment, NTP client, jumbo frame, trunking & LACP & teaming support, VLAN tagging, WINS client	IPv6, DHCP or static IP address assignment, NTP client, jumbo frame, trunking & LACP & teaming support, VLAN tagging, WINS client, static route table, loopback	IPv6, DHCP or static IP address assignment, NTP client, jumbo frame, trunking & LACP & teaming support, VLAN tagging, WINS client, static route table, loopback	IPv6, DHCP or static IP address assignment, NTP client, jumbo frame, trunking & LACP & teaming support, VLAN tagging, WINS client, static route table, loopback
Data Protection	File-level snapshot, block-level snapshot, remote replication, local clone, Amazon S3 Cloud backup, anti-virus protection (ICAP-based)	File-level snapshot, block-level snapshot, rsync, remote replication, local clone, Amazon S3 Cloud backup	File-level snapshot, block-level snapshot, rsync, remote replication, local clone, Amazon S3 Cloud backup	File-level snapshot, block-level snapshot, rsync, remote replication, local clone, Amazon S3 Cloud backup
Security	Access control for shares, IP-filtering Encrypted Access: HTTPS, FTP with SSL/TLS (Explicit), SFTP & SSH (Admin)	3-year McAfee anti-virus, HTTPS, FTP with SSL/TLS (explicit), SFTP & SSH (Admin), IP filtering	3-year McAfee anti-virus, HTTPS, FTP with SSL/TLS (explicit), SFTP & SSH (Admin), IP filtering	3-year McAfee anti-virus, HTTPS, FTP with SSL/TLS (explicit), SFTP & SSH (Admin), IP filtering
Virtualization	VMware, Hyper-V, Citrix	VMware VAAI, Citrix, Hyper-V	VMware VAAI, Citrix, Hyper-V	VMware VAAI, Citrix, Hyper-V
Operating Systems	Windows, Red Hat Enterprise Linux 5/6, Solaris 10 or later, Mac OS X	Windows, Red Hat Enterprise Linux 5/6, Solaris 10 or later, Mac OS X	Windows, Red Hat Enterprise Linux 5/6, Solaris 10 or later, Mac OS X	Windows, Red Hat Enterprise Linux 5/6, Solaris 10 or later, Mac OS X
Management	Web UI management, start-up wizard, performance monitor, system health monitor HDD S.M.A.R.T., Network UPS support, build-in LCD display	Web browser user interface, QCentral management (Java)	Web browser user interface, QCentral management (Java)	Web browser user interface, QCentral management (Java)
Maximum				
User Accounts	10000(Local), 65536(Domain)	10000(Local), 65536(Domain)	10000(Local), 65536(Domain)	4096(Local), 65536(Domain)
Groups Accounts	1024(Local), 65536(Domain)	512(Local), 65536(Domain)	512(Local), 65536(Domain)	512(Local), 65536(Domain)
Number of Share Folders	1024	512	512	256
Concurrent Connections	2048	1024	1024	512
Snapshot	4096	4096	4096	2048
Enclosure				
Power Supplies	80+ Gold 2U12: 1+1 550W 3U16: 1+1 550W 4U24: 2+1 550W	80+ Gold 3U16: 1+1 550W 4U24: 1+1 550W	80+Gold 549W Redundant	226W Redundant
Environment	Operating temperature 0 to 40°C Relative humidity 5% to 95% non-condensing	Operating temperature 0 to 40°C Relative humidity 5% to 95% non-condensing	Operating temperature 0 to 40°C Relative humidity 5% to 95% non-condensing	Operating temperature 0 to 40°C Relative humidity 5% to 95% non-condensing
Regulatory	RoHS, CE, FCC, BSMI, UL, CB, cUL	RoHS, CE, FCC, BSMI, UL, CB, cUL	RoHS, CE, FCC, BSMI, UL, CB, cUL	RoHS, CE, FCC, BSMI, UL, CB, cUL
Warranty	System: 3 years	System: 3 years	3 years for system	3 years for system
Dimensions (W x H x D)	19" rackmount 2U12: 446.0 x 499.5 x 88.0mm 3U16: 446.0 x 499.5 x 130.0mm 4U24: 446.0 x 499.5 x 176.0mm	19" rackmount 3U16: 446.0 x 549.7 x 130.0mm 4U24: 446.0 x 549.7 x 176.0mm	19" rackmount 442.0 x 711.2 x 88.0 mm	19" rackmount 442.0 x 431.8 x 44.0 mm