

FEATURE COMPARES TABLE BETWEEN KERNSAFE ISCSI SAN AND XTREME SAN

Feature Name	KernSafe iSCSI SAN	XTREME SAN
Designed for	Much More Features	Much More Performance
Platform	Windows, Linux and Mac OS X	Linux x64
Storage Interface	iSCSI	iSCSI, iSER and NVMe-oF
Network Support	TCP/IP	TCP/IP and RDMA (iWarp, RoCE and Infiniband)
Engine Mode	Multiple Threading	Polling Mode
IO locking	Spin, Mutex etc.	No Locking, Fully Kernel-by-pass
Replications	HA, Async/Sync Rep, Auto-snap (iSCSI only)	HA, Async Replication (iSCSI, iSER and NVMe-oF)
Image Files	.img, vhd, vhdx	N/A
Security disks	Security disks for each client	N/A
Encryption and Compress	YES	N/A
Virtual Write	YES	N/A
Physical Disks	HDD, SSD, NVMe/ partition via kernel interface	HDD, SSD, through kernel interface, NVMe Kernel-by-Pass
CD-ROMs	Virtual and physical CD-ROM/RW-RAM	N/A
Memory Management	Using System Provided	Using Own high performance optimized memory pool (huge page).
Storage Pool	SDS Pool with unlimited snapshots	SDS Pool with unlimited snapshots and RAID Pool
Software Raid	Via Advanced Target (RAID5)	Via Storage Pool (Raid0, 1 and 5)
Multiple LUN	Via Advanced Target	N/A
Distributed iSCSI SAN	Via Advanced Target	N/A
CDP	YES	N/A
SCSI Passthrough	YES	N/A
Management Console	Native, WEB	WEB

Feature Name	KernSafe iSCSI SAN	XTREME SAN
CHAP and IP Authorization	YES	YES
Server Pool	Listen to different interface or port	Listen to different interface or port and 100% use of dedicated CPU core.