Highlights

- Two Interface Options: 10GbE/1GbE iSCSI & 16Gb/8Gb Fibre Channel
- Outstanding Performance of IOPS & Throughput
- Dual Active Controllers for High Availability
- Fully Redundant & Hot-swappable Designs
- Great Scalability of Up To 256 Disk Drives
- Hardware RAID for Enhanced Reliability
- SSD Caching Support for up to 18 Times Performance Boost
- Multiple Virtualization Technologies Supported
- QiSOE Qsan Hardware iSCSI Offload Engine
- QThin to Enable Dynamic Capacity Allocation
- 80 Plus Gold PSU for Better Energy Efficiency

High Availability

AegisSAN LX series is the cutting-edge SAN series comprising 10GbE/1GbE iSCSI SAN and 16Gb/8Gb Fibre Channel SAN. The storage system of this family features dual active controllers and fully redundant and hot-swappable designs to eliminate any single point of failure to highly ensure the availability for non-stop services. The high availability system offers multiple paths and load balancing features such as MPIO, MC/S, Trunking, and LACP to better ensure the reliability. AegisSAN LX series provides top-notch hardware RAID to offer a robust storage environment for the running services.

Outstanding Performance

AegisSAN LX has great expansion potential supporting up to 256 hard drives. With Qsan hardware iSCSI offload engine (QiSOE), superior hardware configurations and more proprietary designs, AegisSAN LX provides much higher IOPS and throughput than other storage systems in the same segment and delivers a leading price-performance ratio to allow enterprises and SMBs worldwide to enhance their IT infrastructure efficiency.

Advanced Data Protection & Value Add-ons

The series of disk array features comprehensive state-of-the-art data protection functions such as volume cloning, writeable snapshot (QSnap), remote replication (QReplica), n-way mirror, online disk roaming, instant volume restoration, etc, to further secure the stored data. AegisSAN LX series supports multiple virtualization technologies including VMware, Citrix and Hyper-V and. In addition, it has thin provisioning (QThin) function enabling more physical resources than actually available capacity to avoid allocated but unused capacity.

AegisSAN LX				
	P600Q	**P400Q**	**F630Q**	**F600Q**
Hardware				
RAID Controller	Dual-active or Single-upgradable controller			
Host Channels	10GbE ports x2	-	16Gb Fibre Channel ports x2	8Gb Fibre Channel ports x4
(Per controller)	1GbE ports x2	1GbE ports x6	1GbE ports x2	1GbE ports x2
Processor	Intel Xeon			
Memory	P600Q / P400Q / F600Q 2U 12-Bay / 3U 16-Bay / 4U 24-Bay: 4GB DDR3 ECC, up to 16GB			
(Per Controller)	P600Q / P400Q / F600Q 4U 60-Bay & F630Q: 8GB DDR3 ECC, up to 16GB			
Hard Drive Interface	6Gb/s SAS/SATA			
Expansion Enclosure	J300Q 6Gb/s SAS series * Please be aware that 4U60 model can ONLY adopt J300Q 4U60 expansion enclosure.			
Max. Number of Hard Drive	2U 12-Bay / 3U 16-Bay / 4U 24-Bay: 256 4U 60-Bay: 240			
Form Factor	2U 12-Bay, 3U 16-Bay, 4U 24-Bay, 4U-60Bay * Please be aware that F630Q does NOT support 4U-60bay form factor.			
Dimension	19" Rackmount 2U 12-Bay: 446.0mm x 499.6mm x 88.0mm (W x D x H) 3U 16-Bay: 446.0mm x 499.5mm x 130.0mm (W x D x H) 4U 24-Bay: 446.0mm x 499.5mm x 176.0mm (W x D x H) 4U 60-Bay: 446.0mm x 923.0mm x 177.0mm (W x D x H)			
Weight	2U 12-Bay: 25Kg (Diskless) 4U 24-Bay: 37Kg (Diskless) 3U 16-Bay: 33Kg (Diskless) 4U 60-Bay: 45Kg (Diskless)			
Power Supply	2U 12-Bay / 3U 16-Bay: 550W x 2 4U 24-Bay: 550W x 3 4U 60-Bay: 700W x 3			
Number of Fans	2U 12-Bay / 3U 16-Bay / 4U 24-Bay: 4 4U 60-Bay: 11			
Features Highlights				
iSCSI	QiSOE (Qsan iSCSI hardware offload engine) Jumbo frame, Header/Data Digest, CHAP authentication, Virtual LAN, Up to 128 multiple nodes support, Up to 128 hosts support, Up to 1024 sessions per controller		fcQiSOE (Qsan FC hardware offload engine) Jumbo frame, Header/Data Digest, CHAP authentication, Virtual LAN, Up to 32 multiple nodes support, Up to 32 hosts support, Up to 128 sessions per controller	
FC	-		FCP-2 & FCP-3 support Up to 126 multiple nodes support Up to 128 hosts support Up to 1024 sessions per controller	
RAID & Volume	RAID level 0,1,0+1,3,5,6,10,30,50, 60, JBOD, N-way mirror Up to 4096 logical volumes Up to 64 hard drives per RAID group One logic volume can be shared by as many as 16 hosts Global and dedicated hot spare Write-through or write-back cache policy Online volume expansion and migration without system down time Instant RAID volume availability		Auto volume rebuilding SSD Caching	
High Availability	Dual-Active RAID controller Cache mirroring through high bandwidth channels Flexible RAID group ownership management Management port seamless take-over Online firmware upgrade, no system down time (dual-controller mode only) Multi-path & load-balancing support (Microsoft MPIO, MC/S, Trunking, LACP)			
Advanced Data Protection	QReplica remote replication QSnap writable snapshot Volume cloning Microsoft Windows Volume Shadow Copy Services (VSS) Configurable N-way mirror Online disk roaming Instant volume restoration Hot pluggable battery backup module (BBM)			
Data Efficiency	QThin			
Management	QCentral Java-based centralized management software, LCM, Serial console, Online firmware upgrade HTTP Web UI, Secured Web (HTTPS), iSNS, S.E.S., SSH telnet, LED indicators, S.M.A.R.T., Wizard			
Networking	DHCP, Static IP, NTP, Trunking, LACP, VLAN, Jumbo frame			
Notification	Email; SNMP trap; Browser pop-up windows; Syslog; Windows Messenger			
OS Support	Windows Server 2003; Windows Server 2003 R2; Windows Server 2008; Windows Server 2008 R2; Windows Server 2012; Red Hat Enterprise Linux 5/6; CentOS; SuSe; Solaris 10/11; Mac OS X			
Virtualization	Vmware (VAAI); Citrix; Hyper-V			
Green	80 Plus Gold PSU for 2U 12-Bay/3U 16-Bay/4U 24-Bay & 80 Plus PSU for 4U 60-Bay Auto disk spin down			
Compliance & Warranty				
Safety & EMI	RoHS, CE, FCC, BSMI, UL, cUL			
Warranty	System: 3 years; Battery backup module: 1 year			
Requirements				
AC Input	2U 12-Bay / 3U 16-Bay / 4U 24-Bay: 90-264V ~ 10A-5A 550W with PFC (Auto Switching), 50/60Hz 4U 24-Bay 60-Bay: 90-264V ~ 12A-6A 700W with PFC (Auto Switching)			
DC Output	2U 12-Bay / 3U 16-Bay / 4U 24-Bay: 3.3V-25A; 5V-32A; 12V-40A 4U 24-Bay 60-Bay: 5V-25A, 12V-45A			
Operating Temperature	2U 12-Bay / 3U 16-Bay / 4U 24-Bay: 0 to 40°C 4U 24-Bay 60-Bay: 10 to 40°C			
Relative Humidity	2U 12-Bay / 3U 16-Bay / 4U 24-Bay: 5% to 95% non-condensing 4U 24-Bay 60-Bay: 10% to 85% non-condensing			