

Longstor® LS-12D-F FC SAN Storage System

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2U/12 Bays, 8Gb Fibre to 6Gb SAS/SATA RAID subsystems



Model	LS-12D-F	
Controller Number	2	
RAID Architecture	800Mhz RAID-On-Chip Dual-Core Storage Processor. Up to 8GB DDR3-1333 ECC RDIMM (Registered DIMM) on one socket. Write-Through or Write-back cache mode support. NVRAM for RAID configuration and transaction log.	Advanced PCI-Express 3.0 bus architecture. Default cache memory size: 2GB Battery backup modules ready (Optional). Real time clock support.
RAID Features	RAID Levels: 0, 1,1E, 3, 5, 6, 50, 60 & JBOD. Online array roaming. Automatic drive insertion / removal detection and rebuilding. Online capacity expansion and RAID level migration simultaneously. Support spin down drivers for idle disk to extend service life (MAID). Great than 2TB per volume set (64-bit LBA support) Support Global Hot Spare and local Hot Spare disk Disk Scrub/ array verify scheduling for automatic repair for RAID sets.	Multiple RAID selection. Offline RAID set Online volume set growth. Online RAID level / stripe size migration. Instant availability and background initialization. Supports up to 256 SAS devices. Max 128 LUNs (volume sets) per RAID set Login record in the event log with IP address and service (http, telnet, and serial)
System Type	2U Rackmount	
Host Interface	Quad 8Gb FC ports per controlle	
Disk Interface	12 x 6Gb SAS / 6Gb SATA drives (Optional SAS-SATA Bridge available)	
	One downstream miniSAS (4x6Gb) expansion port per controller	
	Lockable Disk carrier can support both 2.5" and 3.5" drives without additional accessories	
RAID Management	Firmware-embedded Web browser-based RAID manager via built-in 10/100 Ethernet. Firmware-embedded manager through front LCD control panel. Firmware-embedded manager via RS-232 port. Field-upgradeable firmware in flash ROM.	
Monitoring / Indicators	All system status can be monitored by firmware-embedded Web browser-based RAID manager. Firmware-embedded SNMP agent allows the remote to monitor events with no SNMP agent required. System status indication through LCD, LED and alarm buzzer. All system events can be sent to multiple user alerts via e-mails. (SMTP)	
Operating System	* Single controller: OS independent and transparent * Redundant controller: MPIO (Multipath I/O) driver required	
Cooling System	Redundant by dual FAN module, each FAN module with 2 x Blowers included	
Power Supply	Redundant by dual 500W / 80 Plus energy-efficient power modules with PFC. load sharing and cable-less design.	
Electrical	AC Voltage 100-240 VAC / AC Frequency 50-60Hz	
Temperature	Operating temperature: 5 to 35 degree C. Non operating temperature: -40 to 60 degree C.	
Relative Humidity	20% to 80% non-condensing	
Dimension	446.5mm(W) x 517mm(D) x 2U	
Weight	20KGS	
Authenticate	BSMI ◦ FCC ◦ CE	

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龍樂科技股份有限公司 LOYAL Performance Technology Co.,LTD.
TEL:02-89670534 FAX:02-89675077 <http://www.longstor.com.tw>