Alnico AN-8N RAID series deliver high performance based on varied selections of host interface ranging from 16Gb Fibre, 10Gb iSCSI to 12Gb SAS supporting both SATA 6Gb and SAS 12Gb hard disks coexisting inside. Alnico RAID subsystems are SAN ready and hot swappable / modular concept designs with easiness in setup and use. When properly configued, Alnico RAID subsystems can provide non-stop service with high degree of fault tolerance through the advantages of mature and sophisticated RAID technologies and array management features that are well appropriate for SMB or department and corporate sever needs.

Alnico AN-8N RAID Series					
Model	**AN-824N**			**AN-812N**	
	AN-824NSTS AN-824NSTD	AN-824NFHS AN-824NFHD	AN-824NFUS AN-824NFUD	AN-812NSTS AN-812NSTD	AN-812NFHS AN-812NFHD	AN-812NFUS AN-812NFUD
Controller Number	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2
RAID Architecture	1.2Ghz RAID-On-Chip Dual-Core Storage Processor. Up to 8GB DDR3-1866 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 Support Flash-based (FBM) or Battery backup modules (BBM) (Optional). Real time clock support.		
RAID Features	Multiple RAID 0 and RAID 10(1E) support (RAID 00 and RAID100) Configurable stripe size up to 1024KB. Support for native 4K and 512 byte sector SAS and SATA devices. Multiple pairs SSD/HDD disk clone function. SSD automatic monitor clone (AMC) support. Online array roaming. / Offline RAID set. / Multiple RAID selection. Automatic drive insertion / removal detection and rebuilding. Online capacity expansion and RAID level migration simultaneously. Great than 2TB per volume set (64-bit LBA support).			RAID Levels: 0, 1,1E, 3, 5, 6, 50, 60 & JBOD. Support Global Hot Spare and local Hot Spare disk. Disk Scrubbing / array verify scheduling for automatic repair of all configured RAID sets. DataBolt™ Bandwidth Optimizer for balance faster host and slower drive devices. Support spin down drivers for idle disk to extend service life (MAID). Online RAID level / stripe size migration. 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	4U Rackmount			2U Rackmount		
Host Interface per Controller	DualMiniSAS HD(4x 12Gb) SFF-8644	Dual 16Gb Fibre	Quad 32Gb Fibre	DualMiniSAS HD(4x 12Gb) SFF-8644	Dual 16Gb Fibre	Quad 32Gb Fibre
Disk Interface	24 x 12Gb SAS / 6Gb SATA drives			12 x 12Gb SAS / 6Gb SATA drives		
	Single downstream miniSAS HD (4x12Gb) expansion port per controller					
	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	Dual redundant FAN modules.			Redundant by dual FAN module.		
Power Supply	Redundant by two 550W/80 Plus energy-efficient power modules with PFC, load sharing and cable-less design.					
Electrical	AC Voltage 100-240 VAC / AC Frequency 47-63Hz					
Temperature	Operating temperature: 5 to 35 degree C. Non operating temperature: -40 to 60 degree C.					
Relative Humidity	Operating : 10% to 80% non-condensing Storage : 5% to 95% non-condensing					
Dimension	445mm(W) x 506mm(D) x 4U			445mm(W) x 506mm(D) x 2U		
Weight	Single controller : 34KGS; Dual controller: 35KGS			Single controller : 27KGS ; Dual controller : 28KGS		

* Specification subject to change without notice, all trademarks or registered trademarks are properties of their respective owners.