

Alnico AH RAID Series



AH-825c					
Model	AH-825cSTS AH-825cSTD	AH-825cFHS AH-825cFHD	AH-825cFQS AH-825cFQD	AH-825ciAS AH-825ciAD	AH-825cJTS AH-825cJTD
Controller Number	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 DDR31866 ECC RDIMM (Registered DIMM) on one socket. Battery backup module (BBM) (Optional).				JBOD systems are managed by RAID system
	NVRAM for RAID configuration and transaction log. Default cache memory size: 2GB		Advanced PCI-Express 3.0 bus architecture. Real time clock support.		
RAID Features	New features available for AH-8 Series only: *Multiple RAID 0 and RAID 10(1E) support (RAID 00 and RAID100). *DataBolt™ Bandwidth Optimizer for balance faster host and slower disks. *Multiple pairs SSD/HDD disk clone function. *SSD automatic monitor clone (AMC) support. Support for native 4K and 512 byte sector SAS and SATA devices. Support disk drives for both 15000RPM and 10000RPM (Up to 6TB disks have been approved). Online array roaming. / Offline RAID set. / Multiple RAID selection. Login record in the event log with IP address & service (http/ telnet/ serial). Online capacity expansion and RAID level migration simultaneously.		RAID Levels: 0, 1,1E, 3, 5, 6, 50, 60 & JBOD. Configurable stripe size up to 1024KB. Automatic drive insertion / removal detection and rebuilding. Support Global Hot Spare, Local Hot Spare disk, Enclosure Spare. Disk Scrub/array verify scheduling for automatic repair for RAID sets. 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. Great than 2TB per volume set (64-bit LBA support). Support disk drives hot swap and failure detection and rebuild.		DataBolt™ Bandwidth Optimizer for balance faster host and slower SAS or SATA devices.
System Type	2U Rackmount				
Host Interface per controller	Dual miniSAS HD (4x 12Gb) SFF-8644	Dual 16Gb Fibre	Quad 16Gb Fibre	Dual 10Gb Ethernet SFP+	Single miniSAS HD (4x12Gb) ports per Expender
Disk Interface	24 x 6Gb SAS / 6Gb SATA drives				
	Raid: Single downstream miniSAS HD (4x6Gb) SFF-8644 exp. port per Raid controller JBOD: Dual downstream miniSAS HD (4x6Gb) SFF-8644 exp. ports per SAS expander				
	Lockable Disk carrier supports 2.5" drives				
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 which provides local and remote setting. Receiving alerts for power supply, voltage, temperature, and fan condition. 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	*Microsoft Windows operating system support *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	449mm(W) x 468mm(D) x 2U				
Weight	Single controller : 18KGS ; Dual controller : 20KGS				

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