

## Rackmount RAID Enclosures

RAID Class	Hardware	Turbo	Value
Host Port	2x Mini-SAS	2x Mini-SAS / 4x Mini-SAS	1x Mini-SAS
RAID Controller /Bus Interface	PCIe 2.0 x8	PCIe 2.0 x8 / PCIe 2.0 x16	PCIe 2.0 x4
RAID-On-Chip Onboard Storage Processor	Yes	N/A	N/A
512MB DDR 3 Cache Memory with ECC Protection	Yes	N/A	N/A
RAID Level	0, 1, 5, 6, 10, 50, JBOD	0, 1, 5, 6 <sup>(1)(2)</sup> , 10, 50, JBOD	0, 1, 5, 10, JBOD
Max. Capacity	Up to 64 TB	Up to 64 / 128 TB	Up to 32 TB
Number Of drives	Up to 8	Up to 8 / 16	Up to 4
Drive Interface	SAS, SATA	SAS, SATA	SATA
Drive Form Factor	3.5"	3.5"	3.5"

RAID Features Suite	Hardware	Turbo	Value
Configurable RAID Block Size up to 1MB	Yes	N/A	N/A
Flash ROM for Upgradeable Firmware	Yes	Yes	Yes
DV Mode Technology	Yes	N/A	N/A
Storage Health Inspector	Yes	Yes	Yes
Redundant RAID Configurations	Yes	Yes	Yes
BIOS PnP (plug and play) and BBS (BIOS boot specification) support	Yes <sup>(1)</sup>	Yes <sup>(1)</sup>	Yes <sup>(1)</sup>
Bootable RAID Array	Yes	Yes	Yes
EFI BIOS for Mac Platform	Yes	Yes	Yes
NVRAM for Write Journaling	Yes	N/A	N/A
Battery Backup unit retains data when power outage occurs	Yes	N/A	N/A
Multiple RAID Partitions supported	Yes	Yes	Yes
Multiple RAID Adapters supported	Yes	Yes	Yes
Online Array Roaming	Yes	Yes	Yes
Online RAID Level Migration (ORLM)	Yes	Yes	Yes
Online Capacity Expansion (OCE)	Yes	Yes	Yes
RAID Initialization Background/Foreground/Quick	Yes	Yes	Yes
Global Hot Spare Disk support	Yes	Yes	Yes
Automatic & Configurable RAID Rebuilding Priority	Yes	Yes	Yes
Disk Format compatible: 512, 512e, 4Kn	Yes	Yes	512, 512e
Larger than 2 TB Drive and RAID Array support	Yes	Yes	Yes
Spin down Massive Arrays of Idle Disks support	Yes	Yes	Yes
Native Command Queuing	Yes	Yes	Yes
Staggered Drive Spin Up	Yes <sup>(3)</sup>	Yes	Yes
Write Back and Write Through	Yes	Yes	Yes

Storage Monitoring and Management Suite	Hardware	Turbo	Value
<ul style="list-style-type: none"> <li>RAID Management Suites:</li> <li>BIOS/Firmware configuration tool</li> <li>Browser-Based management tool</li> <li>CLI (Command Line Interface) – scriptable configuration tool</li> <li>API package</li> </ul>	Yes	Yes	Yes
SMTP Email Alert Notification	Yes	Yes	Yes
Power Supply	Redundant	Redundant	Single
LED Display for Each Tray: Power On and Access	Yes	Yes	Yes
LED Display For Enclosure: Power, Fan, Temperature	Yes	Yes	Yes
Alarm Buzzer over Fan failed or Temperature overheat	Yes	Yes	Yes

Operating System Support	Hardware	Turbo	Value
Window 2008 and Window 7 and later	Yes	Yes	Yes
Linux: RedHat Enterprise, Open SuSE, Fedora Core, Debian, Ubuntu	Yes	Yes	Yes
Linux Driver embedded into Kernel 3.9.4 and later	Yes	N/A	N/A
FreeBSD	Yes	Yes	Yes
Mac OS X 10.6 and later	Yes	Yes	Yes
Driver embedded into Mac OS X 10.8.3 and later	Yes	Yes	Yes

## Notes:

1. Not applicable for Mac OS X
2. RAID 6 support only applicable to RocketStor 6422TS
3. Not Applicable to RocketStor 6424TS