

3730

SPECIFICATION SHEET PRELIMINARY, NON DISCLOSURE

Experience the Speed and Agility of the Dot Hill 3000 Series 8Gb Connectivity, Extensive Drive Options, Maximized Capacity



spec

Built in Redundancy

- RAID 0, 1, 3, 5, 6, 10, 50
- Redundant, hot swap components
- AssuredSnap™ - 1000 snapshots supported
- AssuredCopy™ - Additional data protection with full volume copies
- Built-in schedule capability

Scalability and Performance

- Dual or single RAID controller or JBOD
- Data rates of 8Gb/sec. (Fibre Channel)
- OS Support - Windows, Linux, Solaris
- Modular design protects your investment
- Enterprise-class features and functionality without the enterprise price

Environmentally Responsible / Lower TCO

- EcoStor™ - Economically and environmentally sound technologies
 - SimulCache™ - Low latency cache mirroring
 - Battery-free cache backup
 - AC or DC power option
 - Drive spin down
- RoHS-6 and WEEE compliant

Rugged Chassis

Compliant with NEBS Level 3 specifications.

The world-class Dot Hill 3000 Series delivers significant data storage advancements including support for the next generation of high-speed host connections, enhanced management features, and energy saving drive-spin-down.

The industry-leading 3730 features a 12-drive hardware RAID storage array housed in a 2 rackunit (2U) enclosure providing up to four 8Gb Fibre Channel interfaces to external large form factor disk and solid state drives. With 8Gb Fibre Channel connectivity this system will improve performance for any storage network.

The 3730 storage system supports up to 8 chassis of large form factor or small form factor expansion arrays. It adapts to a broad range of business and mission-critical applications including databases, business analysis, video streaming and email.

Advanced Data Protection Software

AssuredSnap™ provides the 3730 with volume snapshot capability allowing point-in-time copies that can be used to maximize business continuity. AssuredCopy™ creates a full volume copy providing additional protection against vdisk failure.

Performance and Cache Protection

The 3730 uses patented SimulCache™ technology that instantly and simultaneously mirrors cache between RAID controllers, leading to significant performance improvements over traditional implementations. Utilizing Dot Hill's EcoStor™ technology, these systems have completely eliminated cache batteries, using instead super capacitors and flash memory to provide infinite cache backup during a power loss, while being environmentally friendly.

Storage made easy

The 3730 is easy to configure and manage with RAIDar 2.0, the intuitive Web Based Interface (WBI) which provides storage setup and monitoring without the need for host based software.

3730



3730 Specifications - Preliminary

■ GENERAL

Product Family	3000 Series
Product Type	RAID, JBOD
Chassis Configuration	2U
Max Drives per Chassis	12 drives
Total Chassis supported	8 (1 RAID, 7 JBOD with either 12 or 24 drives)
Mounting Options	19" Rack, Rack tray
Data Protection Options	AssuredSnap™, AssuredCopy™,
Data Management Services	RAIDar 2.0, VSS, VDS Drive spin down

■ PROTOCOLS AND STANDARDS

IP (RFC, 894, 1092)	SCSI-2 and SCSI-3
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■ HOSTS

Supported Hosts	4 direct connected hosts, 8Gb, 4Gb, 2Gb Fibre Channel. 64 switched FCP
Interface Type	FCP
External Ports	2 Single or 4 Dual Controller

■ DRIVES

Drive Options	3.5" SAS, capacities TBD 3.5" SATA II, capacities TBD SSD, capacities TBD
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■ RAID

Levels Supported	Non-RAID, 0, 1, 3, 5, 6, 10 and 50
RAID Type	Hardware
Cache Memory	2GB per controller
Cache Backup	Battery-free protection with super capacitors
Virtual disks per System	32
Volumes per virtual disk	256
Volumes per System	256
Mirrored Cache	Yes - SimulCache™
Super Capacitor Cache Backup	Yes
Cache Backup to Flash	Yes - Non-volatile

■ MANAGEMENT

Interface Types	Mini DB9 RS232, 10/100 Ethernet
Protocols Supported	SNMP, SSL, SSH, SMTP, SMI-S Provider, HTTP(S)
Management Consoles	WEB GUI, CLI
Management Software	RAIDar 2.0

■ POWER REQUIREMENTS - AC INPUT

Input Power Requirements	100-240VAC 50/60Hz 4.5-1.9A
Max Input Power	TBD
Heat Dissipation	TBD

■ POWER REQUIREMENTS - DC INPUT

Voltage	-34 to -72VDC, -48/-60V nominal
Max Input Power	TBD
Heat Dissipation	TBD

■ TEMPERATURE AND HUMIDITY RANGES

Operating Temperature	41°F to 104°F (5°C to 40°C)
Shipping Temperature	-40°F to 158°F (-40°C to 70°C) Note: Derate 2°C for every km, up to 3000 meters
Operating Humidity	10% to 90% RH @ 104°F (40°C), non-condensing
Non-Operating Humidity	Up to 93% RH @ 104°F (40°C) non-condensing

■ DECLARED ACOUSTIC NOISE LEVELS

Sound Power	TBD
Sound Pressure	TBD

■ SHOCK AND VIBRATION

Shock, Operational	5.0G, 10ms, half sine
Shock, Non-Operational	15G 11ms, half sine
Vibration, Operational	0.21Grms Random 5Hz to 500Hz flat spectrum/feed forward
Vibration, Non-Operational	0.5G 1 octave/minute 5Hz to 500Hz to 5 Hz sine sweep 0.5Grms Random 20Hz to-1000Hz flat spectrum

■ HIGH-AVAILABILITY FEATURES

Redundant Hot-Swap Controllers	Yes
Redundant Hot-Swap Disk	Yes
Redundant Hot-Swap Fans	Yes
Redundant Hot-Swap Power	Yes
Dual Power Cords	Yes
Hot Standby Spare	Yes
Automatic Failover	Yes
Multi-Path Support	Yes
Snapshot with AssuredSnap™	Yes
Volume Copy with AssuredCopy™	Yes

■ REGULATORY

Safety	UL 60950-1:2001 (USA) CAN/CSA-C22.2 No.60950-1-03 (Canada) EN 60950-1 :2001 (EU) IEC 60950-1 :2001 (International)
Electromagnetic Compatibility Emissions	TBD
Harmonics Flicker	EN 61000-3-2: 2006 EN 61000-3-3: 1995 (Amended by A1: 2001 and A2: 2005)
Immunity	EN 55024: 1998 (Amended by A1: 2001 and A2: 2003)Electromagnetic Compatibility
RoHS and WEEE	RoHS-6 Compliance , China RoHS, WEEE
Country Approvals	

■ SUPPORT

Software Warranty	90 days
Standard Hardware Warranty	3 years
Environmental Monitoring	SNMP, CLI, RAIDar 2.0, SMTP, SMI-S Provider
Phone-home Capability	Yes
Remote Diagnostics	Yes
Non-disruptive Updates	Yes
Non-disruptive Volume Expansion	Yes for primary volumes and snapshot volumes

■ PHYSICAL

Height	3.5 Inches / 8.9cm
Depth (excluding cables)	23.7 Inches / 60.2cm
Width	17.6 Inches / 44.7cm
Chassis Weight	45lbs. / 20.5kg
Chassis w/500GB Drives Weight	66lbs (array only) / 29.94kg

Specifications are subject to change at any time.