

# 3720

## SPECIFICATION SHEET PRELIMINARY NON DISCLOSURE

Experience the Speed and Agility of the Dot Hill 3000 Series  
8Gb Connectivity, Extensive Drive Options, Drive-Spin-Down



spec

### Built in Redundancy

- RAID 0, 1, 3, 5, 6, 10, 50
- Redundant, hot swap components
- AssuredSnap™ - Optional snapshot capability
- 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
  - Battery-free cache backup
  - Drive-spin-down
  - SimulCache™ - Low latency cache mirroring
  - DC power option
- 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 3720 features a 24-drive hardware RAID storage array housed in a 2 rackunit (2U) enclosure providing up to four 8Gb Fibre Channel interfaces to external small form factor disks or solid state drives. With 8Gb Fibre Channel connectivity this system will improve performance for any storage network. With 8Gb fibre channel and 2.5" drives this system a brilliant choice for performance optimized applications including databases, business analysis, and video streaming.

The 3720 storage system supports up to 144 total disk drives or JBOD 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 3720 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 3720 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 3720 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.

# 3720 FC



# 3720 Specifications - Preliminary

## ■ GENERAL

Product Family	3000 Series
Product Type	RAID, JBOD
Chassis Configuration	2U
Disk Architecture	3Gb SAS
Max Drives per Chassis	24 drives
Total Disks Supported	144
Mounting Options	19" Rack, Rack tray
Max Number of Chassis	7 (1 RAID and 6 JBOD)
Max Capacity per Chassis	7.2TB
Data Management Services (DMS)	AssuredSnap™, AssuredCopy™

## ■ 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
Interface Type	FCP
External Ports	2 Single or 4 Dual Controller

## ■ DRIVES

Max Number of Drives	144
Drive Options	2.5" SAS, capacities TBD 2.5" SATA II, capacities TBD SSD, capacities TBD

## ■ RAID

Levels Supported	Non-RAID, 0, 1, 3, 5, 6, 10 and 50
RAID Type	Hardware
Cache Memory	1GB 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	436W max maximum continuous
Heat Dissipation	1488 BTUs/hour

## ■ POWER REQUIREMENTS - DC INPUT

Voltage	-34 to -72VDC, -48/-60V nominal
Max Input Power	436W maximum continuous
Heat Dissipation	1488 BTU/hour

## ■ 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)	21.3 Inches / 54.0 cm
Width	17.6 Inches / 44.7cm
Chassis Weight	44 lbs / 20kg
Chassis (w/148GB drives) Weight	58 bs / 26.4kg

Specifications are subject to change at any time.