Dot Hill 2122
Expansion Array for 2.5" Drives

dot HILL®

Simple, Low-cost Expansion Array

As your need for storage increases, Dot Hill provides an easy to deploy and cost effective way to extend your fibre channel, SAS or iSCSI SAN. The 2122 expansion unit can be quickly deployed to add twenty four more drives of capacity. A total of six JBOD expansion units can be added to a Dot Hill system.

The 2122 JBOD expansion unit can support an additional 24 drives and easily expands the capacity of a customer's SAN. The 2122 JBOD array is controlled by the RAID controller of the primary unit and allows SAN expansion at a lower cost than a full RAID array.

The 2122 JBOD units can be easily added using a 3Gb SAS connection to the main controller unit. The additional array is then managed through the RAIDar 2.0 GUI interface.

Use With...

The 2122 JBOD expansion units can be deployed with Dot Hill's 2.5-inch RAID storage arrays:

2322 iSCSI Storage Array
2522 SAS Storage Array
2722 Fibre Channel Storage Array

3520 SAS Storage Array
3720 Fibre Channel Storage Array
3920 Fibre Channel, iSCSI Hybrid Storage Array

Built in Redundancy
• Redundant, hot swappable power units, IO modules, and fans make maintenance easy
• Hot swappable drives

Form Factor
• 2 rackunit
• Supports 2.5 inch SAS, or SATA SSD storage drives
• 540mm depth

2122 JBOD

www.dothill.com

Dot Hill 2122 specifications

GENERAL

Product Family	2002 Series
Product Type	RAID, JBOD
Chassis Configuration	2U
Disk Architecture	3Gb SAS
Max Drives per Chassis	24 drives
Total Disks Supported	96
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™

DRIVES

Max Number of Drives	96
Drive Options	SAS 36GB 15K RPM
	SAS 72GB 15K RPM
	SAS 146GB 10K RPM
	SAS 300GB 10K RPM
	SATA 32GB SSD
	SATA 64GB SSD
	SATA 80GB SSD
	SATA 160GB SSD

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

MANAGEMENT

SAS connect to RAID

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	<6.75B Sound Power
Sound Pressure	<55dBA Sound Pressure

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	CFR 47 Part 15 Subpart B Class A (USA)
	IECS-003: 2004 Class A (Canada)
	AS/NZS CISPR 22: 2006 Class A (Australia/New Zealand)
	VCCI: 2008-4 Class A
	EN 55022: 2006 Class A (European Union)
Harmonics	EN 61000-3-2: 2006
Flicker	EN 61000-3-3: 1995 (Amended by A1: 2001 and A2: 2005)
Immunity	EN 55024: 1998 (Amended by A1: 2001and A2: 2003)Electromagnetic Compatibility
RoHS and WEEE	RoHS-6 Compliance , China RoHS, WEEE
Country Approvals	Australia/New Zealand, Canada, European Union (EU), Germany (GS Mark), Japan, United States

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.

dot HILL®