



SANnet® II FC-G

SPECIFICATION SHEET

The first green-friendly storage solution to comply with RoHS and WEEE mandates.



spec

- 100% RoHS and WEEE compliant
- Sustained reads of 390MB/sec and sustained writes of 170MB/sec with fail-over protection
- 2U format supports up to 32.4TB capacity
- Enterprise-class security, availability and data protection
- NEBS level 3, Mil-STD-810F and ETSI EN 300 019
- RAID levels 0, 1, 3, 5, 10, 30, 50
- Windows, UNIX and Linux

Dot Hill is the first to ship RAID solutions that support the new international standards for the RoHS (Restriction of Hazardous Substances) and WEEE (Waste for Electrical and Electronic Equipment). In all stages—from initial design through manufacturing—the SANnet II FC-G provides a complete “green” solution, even covering the logistics of recycling at end-of-life.

World-class performance and quality proven around the world

The SANnet II FC-G is based on the same technology that won the SPC benchmark award two years in a row* and is field proven in over 85,000 deployments worldwide. As the replacement for the SANnet II FC, it minimizes testing and qualification, while providing full investment protection.

Dot Hill makes storage easy.

Dot Hill is a proven leader in scalable and modular enterprise-quality storage solutions that deliver greater overall value. With our world-class support, patented technology and award-winning families of storage and Dot Hill Storage Services, Dot Hill makes storage easy.

green-friendly.



SANnet II FC-G Specifications

■ GENERAL

Product Family	SANnet II FC-G
Product Type	RAID, JBOD
Chassis Configuration	2U, 12 drives
Storage Architecture	SAN or DAS
Supported Hosts	Up to 64
Total Capacity	Up to 32.4TB with 300GB FC drives
Total Disks	Up to 108 FC or up to 72 mixed SATA & FC
Mounting Options	Rack mount
Max Number of Chassis	9 (1 RAID, 8 JBOD)
Max Capacity per Chassis	3.6TB (300GB FC drives), 6TB (500GB SATA drives), JBOD

■ HOSTS

Host Connection	4/8 Ports - Fibre Channel
Interface Type	2 Gbit Fibre Channel
External Ports	4 per expansion JBOD

■ DRIVES

Max Number of Drives	108
Drive Options	FC 73GB, 146GB, 300GB @10K RPM FC 73GB, 146GB @15K RPM SATA 250GB, 500GB @7200 RPM

■ RAID

Levels Supported	0, 1, 3, 5, 10, 30, 50
RAID Type	Hardware
Cache Memory	1GB per controller
Cache Backup	Battery, 72 hours
Arrays per System	1 to 32
Partitions per Array	1 to 32
Volumes per System	1 to 1024
Total System Cache	2GB Max.
Mirrored Cache	Yes
Battery Cache Backup	Yes
Flash Cache Backup	Yes

■ MANAGEMENT

Interface Types	Serial, Ethernet, FC
Protocols Supported	SMI-S 1.02, SNMP, API
Management Consoles	Java GUI, CLI, API
Management Software	Dot Hill SANscape with MPIIO support

■ ELECTRICAL – AC INPUT

Voltage	100-240 VAC @ 50/60Hz, single phase
Current	10A maximum per input
Power Output	360W typical

■ ELECTRICAL – DC INPUT

Voltage	36 to -72 VDC -48v nominal
Current	20A maximum per input
Power Output	360W typical

■ ENVIRONMENTAL - OPERATING

Temperature	5°C to 40°C (41°F to 104°F)
Humidity	10% to 90% RH @ 27°C (81°F) Non-Condensing
Altitude	-30m to 3048m (-100ft to 10,000ft)
Shock	5.0G, 11ms, half sine
Vibration	0.2G, 5-500Hz, sine
Noise	Less than LwAd 6.7B (65 dBA)
Heat	1200 BTU/hour

■ ENVIRONMENTAL – NON-OPERATING

Temperature	-40°C to 65°C (-40°F to 149°F)
Humidity	90% RH @ 38°C (100°F), non condensing
Altitude	-30m to 12,192m (-100ft to 40,000 ft)
Shock	15.0G, 11ms, half sine
Vibration	1G, 5-500Hz, sine

■ HIGH-AVAILABILITY FEATURES

Redundant Hot-Swap Controllers	Yes
Redundant Hot-Swap Disks	Yes
Redundant Hot-Swap Fans	Yes
Redundant Hot-Swap Power	Yes
Dual Power Cords	Yes
Multiple Hot Standby Spare	Yes
Automatic Failover	Yes
Alternate Pathing	Yes

■ REGULATORY

Safety	UL listed, cUL, CSA-C22.2, EN 60950:2000, IEC 60950, GS, S-Mark
Emissions	FCC Part 15 Class B, ICES-003, EN 300-386, EN 55022 Class B, VCCI Class B, AS/NZS 3548 Class B, BSMI Class B
Harmonics and Flicker	EN 61000-3-2, EN 61000-3-3
Immunity	EN 300-386, EN 55024
Other	NEBS Level 3 (GR-63, GR-1089), MIL-STD-810F, ETSI EN 300 019
Environmental Support	RoHS Compliant WEEE Compliant
Country Approvals	USA, Canada, Argentina, European Union(CE), Taiwan, Japan, Australia

■ SUPPORT

Standard Hardware Warranty	2 Years
Environmental Monitoring	Yes, via SMI-S, SNMP, CLI, API
Phone-home Capability	Yes
Remote Diagnostics	Yes
Non-disruptive Updates	Yes
Non-disruptive Volume Expansion	Yes

■ PHYSICAL

Height	8.75 cm (3.45 inches)
Depth	53.3 cm (21.0 inches)
Width	44.7 cm (17.6 inches)
Chassis Weight	23.6 kg (52 lbs.)
Chassis w/ Drives Weight	33.6 kg (74 lbs.)

*SOURCE: PRNewswire-FirstCall, 11/30/2005; based on testing of Sun Microsystems UltraSPARC(R) IV+ Processor-Based Sun FireTM Servers.



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