



Carrier Grade Storage Solutions for Telecommunications

STORAGE



NEBS Certified Storage Solutions from Dot Hill Systems

Dot Hill has been a leader in the storage industry with NEBS certified RAID solutions since 2000, celebrating an installed base of over 170,000 units worldwide. Our NEBS certified RAID arrays provide the backbone to Central Office (CO) applications and Operations Support Systems (OSS) for the worlds leading Network Equipment Providers.

Flexible Solutions for Carrier Grade applications

Dot Hill offer NEBS Level 3 certified RAID solutions with a choice of drive form factors and technologies. Both standard and shallow rack depths are available with a compatible range of NEBS compliant solutions; allowing solution providers to deploy industry-standard hardware for both NEBS and less demanding data centre applications.

What is NEBS-Level 3?

Network Equipment-Building System Level 3 is a term from Bellcore special report, SR-3580, and means the equipment meets all of the requirements of GR-63-CORE and GR-1089-CORE. NEBS Level 3 has strict specifications for fire suppression, thermal margin testing, vibration resistance (earthquakes), airflow patterns, acoustic limits, fail over and partial operational requirements (such as chassis fan failures), failure severity levels, RF emissions and tolerances plus testing/certification requirements. Dot Hill provide NEBS Level 3 Certified networked RAID storage arrays in addition to a full range of NEBS compliant solutions covering Fibre Channel (FC), SAS and iSCSI host connectivity.

2000 Series - Versatile Storage Solutions

The Dot Hill 2000 Series is a flexible entry level storage platform featuring 4Gb FC, 3Gb SAS or 1Gb iSCSI host connectivity with full mixed SAS, SATA and SATA-compatible SSD drive capability plus seamless upgrades to the 5000 Series as storage requirements grow. The 2722 and 2522 are the industry's first 24 disk 2U RAID systems based on 2.5" drive technology, ideal for ruggedized, military, telecommunications, and mobile storage applications that demand high performance combined with efficient space utilization. Dot Hill 2.5" RAID solutions are fully compatible with expansion trays from our 3.5" based RAID systems which can serve a wide range of business and mission-critical applications such as database, business analytics, video streaming and e-mail.

5000 Series - Enterprise Performance & Scalability

The NEBS Level 3 Certified 5730 offers more processing power, driving application performance to new levels in a variety of environments, scales to support up to 108 mixed SAS/SATA disk drives, and maintains the same 2U height footprint as the 2000 Series to provide industry-leading data storage investment protection.

High Availability and Data Protection Features

- Both the 2000 & 5000 series offer systems with the option of AC or DC power supplies
- Redundant, hot swap components including disk drives, power supplies and RAID controllers.
- AssuredSnap™ built-in snapshot capability with optional Microsoft VSS provider for data backup.
- AssuredCopy™ built-in volume copy capability for disaster recovery.

Advanced Technology - EcoStor™ & SimulCache™

- R/Evolution architecture: Allows data-in-place migration from the 2000 to 5000 series.
- EcoStor™: Battery-free cache backup; cleaner for the environment and lowers service costs.
- EcoStor™ 5400: Optional 1TB 5400 rpm drives for lower power and cost savings.
- SimulCache™ low latency cache mirroring for high data RAID write performance.



Learn more about why Dot Hill is your storage partner of choice visit our



DEPLOYABLE

Dot Hill offers ruggedized solutions for mobile applications with full NEBS Level 3 and MIL-STD 810F certifications, tested by independent 3rd parties all with the option of either AC and DC input power. The product range also includes fully compatible commercial of the shelf (COTS) equivalent storage arrays for less demanding environments.

All R/Evolution series storage array's support battery-free cache backup which is part of our ongoing EcoStor Green Storage initiative. EcoStor will deliver a series of energy saving and environmentally responsible technologies such as drive spin-down and our unique Data-In-Place Migration already maximizes the life-cycle of your customers investment RAID disk storage technology.

GREEN STORAGE

HIGH PERFORMANCE

Dot Hill's R/Evolution™ Architecture supports multiple high speed host connections, such as 4Gb Fibre Channel, and a switched fabric drive side bus to assure maximum throughput. Storage solutions based on Dot Hill SANnet® II products have won the Storage Performance Council's SPC Benchmark-1 for Price/Performance two years in a row and placed second in overall performance for entry/midrange storage products.

Flexible and highly modular systems allow integrators and end-users to design highly functional storage arrays in the smallest footprint - minimizing support and maintenance costs.

LOWER COSTS

MISSION CRITICAL

Dot Hill's robust architectures assure "no single point of failure," and automatic fail over mechanisms facilitate the highest levels of data protection, service levels and disaster recovery. Support for industry high-availability software guarantees seamless integration with the rest of the enterprise.

Dot Hill offers complete life cycle planning services to support Network Equipment Providers and OEM customers in program deployments that span over several years.

LIFECYCLE PLANNING

CONSOLIDATION

100% platform independence and designed-in multi-host, SwitchlessSAN™ architectures ensure storage can be centrally located and managed – improving the efficiency of merging data from disparate information sources.

Dot Hill's R/Evolution™ and SANnet® II architectures employ a compact 2U rack height chassis that is highly modular. Respective systems can be configured with mix-n-match of high performance as well as high capacity disk drives to optimize multi-tier storage solutions. Tiered storage and/or disk-to-disk backups can be accomplished without ever having to utilize precious network bandwidth.

SMALL FOOTPRINT

EASE - OF - USE

Simple, yet sophisticated management & configuration tools minimize the administrative burden already placed on over-extended IT staff.

website at www.dothill.com or submit any questions to DHRequest@dothill.com

Carrier Grade Storage Solutions for Telecommunications



	2330	2530	2730/T	2722 *	5730
Host Interface	iSCSI (1 Gb)	SAS (3 Gb)	Fibre Channel (FC) (2/4 Gb)		FC (2/4 Gb)
Host ports	4 Maximum				8 Maximum
RAID Controllers	Single/Dual				Single/Dual
Enclosure height	12 drives/2U rack			24 drives/2U rack	12 drives/2U Rack
Enclosure depth	602mm			540mm	602mm
Cache Memory (per controller)	512MB Only	1GB Only	1GB Only	1GB Only	1GB Only
Storage Controller	566/700 (2730T) MHz			1.8 GHz	2 GHz
High-Performance Mirrored Cache	YES - SimulCache				YES - SimulCache
Cache Protection	Battery-free Super Capacitors (EcoStor)				EcoStor
Max. Drive Count (Mixed SAS/SATA)	Up to 56 (3.5" drives)			Up to 96 (2.5" drives)	Up to 108 (3.5" drives)
Max. Virtual Disks	32				32
Maximum Hosts	64				128
Maximum Volumes	128 per RAID set, 256 per system				128/512
RAID Levels	0,1,3,5,6,10,50				0,1,3,5,6,10,50
Data Management	AssuredSnap™ (16 included, 64 max) & Assured Copy™				AssuredSnap™ (256 max) & Assured Copy™
NEBS Level 3 & MIL-STD 810F	Compliant			Compliant (NEBS Level 3 Pending)	Certified
OS Support & Certifications	Microsoft WHQL, Microsoft MPIO, Microsoft VDS 2.0, ONStor Bobcat 2200, Windows 2003/2008 (Cluster Supported), Solaris 9/10, SuSE 9/10, RedHat 4/5, Veritas 5.0, VMware ESX Server 3.5/3i				

* 2522 iSCSI (1 Gb) host 2U/24 2.5" drive version also available

Dot Hill

UK Headquarters:

Dot Hill Systems Europe Ltd.
 Network House, Basing View
 Basingstoke, Hampshire, RG21 4HG
 +44 (0) 1256 840600
 www.dothill.com

William Job - Dot Hill OEM Sales Manager
 +44 (0) 797 9851445 william.job@dothill.com

