

## Features and Benefits

### Server, RAID and Autoloader in a Single Unit

Ideal for small business, branch offices or departmental deployment, iStoRA offers a elegant mix of storage functionality and performance.

### Ideal Storage Repository

iStoRA is an optimized pre-integrated hardware platform – just add your preferred software and go.

### A Solution That Fits Your Needs

By adding your preferred back-up or archive software to the G3 Standard or Extended iStoRA, you buy only what your business needs, and still keep the ability to expand.

### Lower TCO

The iStoRA is an affordable hardware platform with a lower total cost of ownership than an assemblage of parts from multiple vendors. Support also comes from single vendor.

### Breece Hill Support and Hardware Warranty

Standard three-year warranty with optional On-Site Repair Service, 24-hour help desk and remote internet support capability.

### Great Performance and Capacity

Up to 3.2 TB of on line disk and 5 TB of tape capacity. Dual Xeon Processors add up to 16 GB of RAM

### Expandability & Connectivity

Five available PCI-X slots enable expansion via industry standard HBAs – easily add Fibre channel, SCSI or additional networking capability.

### On-Board Monitoring

Built-in remote system monitoring and control capability on iStoRA G3X via Intel® Monitoring Module. Provides remote monitoring, configuration, alerting and restart capability via LAN, serial or modem.



### THE CHALLENGE

You need a solution that gives you the speed advantage of disk and the long term retention qualities of tape – and you don't want to deal with the hassles of integrating multiple components yourself. iStoRA provides best-of-class components in a pre-integrated, tuned hardware platform.

### THE SOLUTION

Breece Hill's iStoRA platform combines 2.0 TB RAID disk, a tape autoloader, and a robust Windows or Linux server in one optimized package. The single unit easy to install, easy to manage – and affordable. This unique blend of hardware provides a worry-free repository for your data.

The new iStoRA G3S and G3X scale from 2.0 TB to 3.2 TB online disk storage with distributed Hot Spare technology to ensure data integrity. Both iStoRAs include an integrated 10 slot tape autoloader using the latest tape drive technology, including WORM tape capabilities on SAIT and LTO3.

The G3X offers dual Xeon processors and more RAM for larger workloads. Both models have optional disk and tape expansion kits for increased storage capacity. Chose your preferred storage software and you're ready to install and go. You get all of this in a compact, rack-mountable 4U system at an attractive price.

iSTORA

Breece Hill's Information Storage and Retrieval Architecture (iStoRA™) is a new approach to data storage. iStoRA™ integrates disk and tape into an easy-to-deploy, easy-to-manage, versatile and affordable package. The iStoRA provides a flexible high performance storage repository suitable for a wide variety of data storage and server applications.

## Specifications

Configuration	<b>G3S (STANDARD)</b> 8 Drives 10 Cartridges	<b>G3X (EXTENDED)</b> 8 Drives 10 Cartridges
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## Disk

Capacity	2.0–3.2 TB	3.2 TB
Number of Drives	8 SATA	8 SATA
Size of Disk	250 or 400	400
Logical Disk Setup	RAID 5	RAID 5
Optional RAID Types	RAID 0, 1, 5, 10, 50	RAID 0, 1, 5, 10, 50
Hot Spare	Yes	Yes

## Server

Memory	2 GB (up to 4GB)	2 GB (up to 16GB)
CPU	3.0 GHz	Dual Xeon 3.6 GHz
On Board Monitoring	Yes	Yes, extended

## Tape Library

Media	LTO-3	Sony SAIT	LTO-3	Sony SAIT
Library Storage Capacity				
Native	4.0 TB	5.0 TB	4.0 TB	5.0 TB
Compressed*	8.0 TB	13.0 TB	8.0 TB	13.0 TB
Data Transfer Rate				
Native	80 MB/sec	30 MB/sec	80 MB/sec	30 MB/sec
Compressed*	160 MB/sec	78 MB/sec	160 MB/sec	78MB/sec
Data Cartridge Capacity				
Native	400 GB	500 GB	400 GB	500 GB
Compressed*	800 GB	1300 GB	800 GB	1300 GB
Average File Access Time	53 secs	70 sec	53 secs	70 sec
Drive MTBF	250,000 hrs	500,000 hrs	250,000 hrs	500,000 hrs
Barcode Reader and Labels	Yes	Yes	Yes	Yes
WORM Capable	Yes	Yes	Yes	Yes
Library Management Utilities	Included	Included	Included	Included

<b>Network Interfaces</b>	10/100/100 and 10/100/1000 GigE	10/100/1000 2 GigE
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## Supported Operating Systems

Windows Server 2003 and SUSE Enterprise Linux 9.1

## Software

Supported Products Include:	Arkeia Network Backup Bakbone NetVault CommVault Galaxy Backup and Recovery Computer Associates BrightStor and ArcServ Dantz Retrospect	FalconStor IPStor and Virtual Tape Library Front Porch Digital's DIVArchive Microsoft RSM, Windows Backup and Remote SM Veritas BackupExec and NetBackup <i>Visit <a href="http://www.breecehill.com">www.breecehill.com</a> for full details</i>
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## Dimensions

Height	17.8 cm (4U) Rackmount Only	17.8 cm (4U) Rackmount Only
Depth	31 in	31 in
Width	17.5 in	17.5in
Weight	75 lbs	75 lbs

## Environmental, Compliance and Agency Approvals

Operating Temperature	+10° to +35° C (50° F to 95° F)	+10° to +35° C (50° F to 95° F)
Operating Humidity	20% to 80% non-condensing	20% to 80% non-condensing
Safety	UL 60950, cUL (CSA 22.2-60950), IEC 60950, CB Report	
Emissions	FCC Part 15 Class A, CISPR 22 Class A	
CE	EN 55024, EN 60950, EN 55022, EN 61000-3-2, EN 61000-3-3	

## Warranty

Three year	Return to Factory	Return to Factory
Options	Upgrade to onsite repair	Upgrade to onsite repair
Optional Spares	Disk, power supply module	Disk, power supply module

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\*\*For warranty details see [www.breecehill.com](http://www.breecehill.com)  
\*Compression 2:1 except SAIT 2.6:1



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