

# EXPRESS RECOVERY APPLIANCE



## WHAT YOU GAIN

- Flexible and scalable
- Quick backups
- Fast recoveries
- Automatic offsite protection
- Complete security
- Minimal impact on network bandwidth
- Easy deployment and management
- Protection for multiple platforms and applications

## BUSINESS CHALLENGE

Many NetApp® customers rely on do-it-yourself (DIY) disaster recovery (DR) strategies, which typically involve a second data center with a set of redundant mission-critical components – these may include NetApp FAS storage systems, compute and networking resources, server virtualization and dedicated second-site staff. Many IT groups will cut corners on staffing, defer hardware upgrades, skip critical system tests and make other decisions that undermine their control and limit business resiliency following a disaster or disruption – the very situations they hoped a DIY DR approach would help them to avoid. To stay competitive, superior alternatives must be secured.

## WHAT IF YOU COULD...

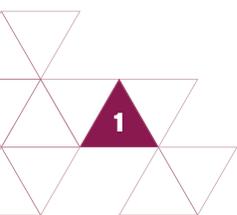
- ✓ Have local and offsite backups and restores?
- ✓ Accelerate your backups and restores?
- ✓ Utilize automatic replication?
- ✓ Ensure ironclad encryption?

## OUR SOLUTION

Get the best of both worlds: local and offsite backups and restores. Express Recovery Appliance is a pre-configured storage appliance that is installed in your offices as a vault, giving you a local cache for backup data that ensures fast recovery. A companion product to Iron Mountain's Cloud Backup Service, Express Recovery Appliance automatically replicates your data offsite to the secure Iron Mountain cloud for offsite disaster recovery protection. You can deploy multiple appliances to protect multiple remote and branch office (ROBO) locations, and consolidate all your backups to a central data center

## FAST BACKUPS AND RESTORES: IDEAL FOR SITES WITH LARGE DATA SETS

Iron Mountain® Server Backup, powered by Seagate® uses the technology platform as a foundation, leveraging its data transfer efficiencies to minimize bandwidth requirements and shorten the replication window. Starting at the source, Iron Mountain Software employs a number of data reduction techniques, including delta block-level processing and adaptive compression. The backup data is then deduplicated at the onsite vault. This ensures that only the smallest amount of backup data is replicated to the Iron Mountain cloud. You can further minimize disruption to business operations by scheduling the replication during off-peak hours and/or predefining how much bandwidth to use.



## AUTOMATIC REPLICATION: DELIVERS WORRY-FREE ASSURANCE

Express Recovery Appliance automatically replicates data from your onsite vault to an Iron Mountain data center. If there is a site outage that also affects your onsite vault, you have a copy of the data in the Iron Mountain cloud. You get peace of mind: your data is accessible whenever you need it.

## IRONCLAD ENCRYPTION: FOR YOUR EYES ONLY

Express Recovery Appliance is secure, and there are no “back doors” to your data. You can encrypt data during a backup job and it remains encrypted in the onsite vault as well as in the vault in the Iron Mountain cloud. An extra layer of protection – 128-bit AES encryption – is wrapped around your data during transport.

## KEY BENEFITS

- Recovery Appliance
- Delta Processing and Bandwidth Throttling
- WAN-Optimized Data Transfers

For fast and efficient replication, Express Recovery Appliance uses delta block-level processing technology, sending only new or changed blocks of data within files from your onsite vault to your offsite vault. Bandwidth throttling minimizes network traffic devoted to backups, so you don't disrupt day-to-day business operations during replication.

## MULTIPLATFORM AND APPLICATION SUPPORT: WE COVER THE BASE

Express Recovery Appliance protects a range of platforms and applications – including: Windows,<sup>®</sup> Linux,<sup>®</sup> VMware,<sup>®</sup> IBM<sup>®</sup> iSeries, Unix,<sup>®</sup> Microsoft<sup>®</sup> appliances and Oracle<sup>®</sup> – making it easy to manage heterogeneous environments.

## PLUG AND PLAY: COULDN'T BE SIMPLER

Setting up an Express Recovery Appliance is easy. You simply turn on the appliance, make the LAN/Internet connection and contact us to verify the connection to the offsite vault. The appliance is managed by Iron Mountain certified vault administrators, enabling you to concentrate on your business instead of backup tasks.

## VIRTUAL EDITION: PROTECT VIRTUAL ENVIRONMENTS INSTANTLY

For highly-virtualized environments, there's Express Recovery Appliance: Virtual Edition. The virtual appliance enables you to utilize your existing hardware and storage: simply deploy the appliance as a virtual machine on top of a Hyper-V or VMware ESX/ESXi host and, within minutes, you're ready for onsite/offsite backup and recovery.

Express Recovery Appliance (ERA) Specifications					
Model	ERA50t 7G	ERA100t 7G	ERA100 7G	ERA300 7G	ERA600 7G
Hardware Configuration	Mid-Tower	Mid-Tower	Rack Mount (1U)	Rack Mount (1U)	Rack Mount (2U)
Memory (RAM)	4 GB	4 GB	8 GB	8 GB	8 GB
Operating System	Microsoft Windows 7		Microsoft Windows Server 2008 R2 – Standard Edition		
Disk/Storage	1 x 1 TB Drive (shared) for both OS and Backup Data—No RAID	1 x 500 GB Drive for OS 1 x 1 TB Drive for Backup Data—No RAID	2 x 2 TB Drives (shared) for OS and Backup Data—No RAID for data	2 x 500 GB Drives in RAID 1 for OS 4 x 2 TB Drives in RAID 5 for Backup Data	2 x 500 GB Drives in RAID 1 for OS 6 x 2 TB Drives in RAID 5 for Backup Data
Capacity	500 GB	1 TB	1 TB usable Expandable to 3 TB with software licensing	3 TB usable Expandable to 5 TB with software licensing	6 TB usable Expandable to 9 TB with software licensing
Dimensions	H: 14.25" (362mm) W: 7.25" (184mm) D: 16.75" (425mm)	H: 14.25" (362mm) W: 7.25" (184mm) D: 16.75" (425mm)	H: 1.7" (43mm) W: 17.2" (437mm) D: 19.8" (500mm)	H: 1.7" (43mm) W: 17.2" (437mm) D: 19.8" (500mm)	H: 3.5" (89mm) W: 17.2" (437mm) D: 25.5" (648mm)
Weight	Weight with drive bays full: 27 lb (12.47 kg)	Weight with drive bays full: 27 lb (12.47 kg)	Weight with drive bays full: 50 lb (22.67 kg)	Weight with drive bays full: 65 lb (29.48 kg)	Weight with drive bays full: 65 lb (29.48 kg)
Hardware Warranty	One (1) year Hardware Warranty		Three (3) year Hardware Warranty		

## ABOUT IRON MOUNTAIN

Iron Mountain Incorporated (NYSE: IRM) is a leading provider of storage and information management services. The company's real estate network of over 67 million square feet across more than 1,000 facilities in 36 countries allows it to serve customers around the world. And its solutions for records management, data management, document management, data center management and secure shredding help organizations to lower storage costs, comply with regulations, recover from disaster and better use their information. Founded in 1951, Iron Mountain stores and protects billions of information assets, including business documents, backup tapes, electronic files and medical data. Visit [www.ironmountain.com](http://www.ironmountain.com) for more information.

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