







# ProStor InfiniVault® Model 5

PROSTOR SOLUTIONS

The InfiniVault Model 5 offers a flexible, low-cost, long-term storage solution for fixed digital assets. As assets grow, expand and diversify, the effective use of tiered storage changes from a desirable attribute to an absolute necessity. By combining intelligent storage management software, sophisticated file management and cost-effective hardware, the Model 5 significantly lowers the operational and capital expenditures associated with storing and managing fixed digital assets.

The Model 5 employs managed multi-tiered pools of storage as standard network file shares, ensuring dependable data access with seamless integration into any existing infrastructure. As a tiered archive system, applications and users have the ability to define and manage data across four levels of storage:

				
<b>Placement</b>	Online	Nearline	Offline	Offsite
<b>Performance</b>	High	Medium	Low	Medium-Low
<b>Scale</b>	Add ODU	Add RDU's	Add RDX	Add System
<b>Use Case</b>	Retrieval	Retention	Single Site DR	Multi-Site DR

- Online disk— acts as a “retrieval cache” to allow for fast retrieval of archived files
- Nearline disk— stores up to 100TB of data for long-term retention of files
- Offline disk— offers infinite capacity of removable disk for integration into current offsite storage or disaster recovery workflows
- Offsite disk— maintains the ability to copy files to a remote location for simple, multi-site disaster recovery

The Model 5 allows the creation of online storage pools, which are ideal as primary storage for fixed digital content. The storage pools facilitate the offloading of data from more expensive SAN and NAS systems and take advantage of the InfiniVault's retention, deletion, space efficiency, compliance and offline policies to meet appropriate internal and external governance requirements.

The InfiniVault Model 5 is ideal for smaller businesses that are experiencing rapid data growth and increased storage needs. The five disk cartridge bays accommodate multiple applications with various policy requirements while providing online, nearline and offline copies for each.

### Delivering High Performance While Scaling Capacity

Featuring the latest processor technology, intelligent file caching and a distributed processing architecture that efficiently scales both capacity and performance, the InfiniVault Model 5 has the capability to take in more than 60 gigabytes per hour and handle more than 3 million file requests per day from the nearline tier. The Model 5 supports 1.8TB of online storage, providing sufficient space to cache hundreds of thousands of files, documents, images and videos for high-speed retrieval.

### Reduce Storage Costs with RDX®

RDX removable disk cartridges provide the nearline and offline tiers of storage. RDX technology offers the fast random access performance of disk combined with the economics of tape, with a cost of only pennies per GB.

Disk cartridges in the 5 drive bays constitute the nearline tier, where copies of files are moved based on data protection and archive policies. RDX cartridges can be taken away to offsite vaults and contents will continue to be tracked by the system. In addition, files can be replicated to an additional InfiniVault system to accommodate disaster recovery requirements. See the *RDX Data Sheet* for more information about this amazing removable media technology.

### Fits into Any Environment

The Model 5 is a tower-based system appropriate for business offices and data centers. The system uses standard power and does not require special cooling. The robust RDX cartridges have a 30-year shelf life and do not require any special handling. The system has the ability to accommodate hundreds of terabytes of archived data without the need for dedicated rooms, extra equipment or increased power supply, while retaining all the benefits of random access disk once the cartridge is mounted.

All critically important data is securely protected and constantly available even in the event of component failures, data corruption or site outages. Data integrity is ensured by “write validation,” guaranteeing that files transferred to the nearline tier have accurately been written. In addition, a cartridge validation option confirms that all files on nearline and offline storage remain readable—even after years of offline storage.

The Model 5 is the ideal tiered archive storage solution for long-term retention of email, business records and content that must be maintained for compliance reasons. The system can also be used as primary storage for DCM applications, video archives, image repositories, and records and data management.

### Management Features

The Model 5 is supported by the all-inclusive InfiniVault Management System software, which provides the management capabilities for the system. Key features of the software include:

- Multi-tier pool definition and management
- RDX media management
- Data reliability to ensure long-term data safety
- Compliance enforcement, including WORM (Write-Once-Read-Many) and auditing
- Space efficiency by offering compression and deduplication

See the *InfiniVault Management System Feature Brief* for more details.

## InfiniVault Model 5 Product Specifications

Product configuration	All hardware components are integrated into a single tower configuration. The system includes the complete InfiniVault Management System and the web-based InfiniVault Management Console.
Online disk	1.8TB (raw) internal to the tower unit
Online disk RAID level	RAID 5
Nearline disk	5 RDX drive bays
Nearline performance (throughput)	33MB per second read, 18MB per second write
Nearline performance (file requests)	40 file requests per second
Offline capacity	Infinite
Connectivity	1x1Gb Ethernet Network Interface Cards
Client support	Windows, Linux, Unix, Apple, iSeries
Protocol support	NFS v3 (UDP or TCP), CIFS, HTTP, HTTPS, SMTP
Network authentication	Workgroup or Active Directory Domain
Power supply	Single (non-redundant) power supply
AC input	15A/125V, grounded
Power consumption	160/500 watts (typical/max)
Operating temperature	50° F to 95° F (10° to 35° C)
BTUs	System controller: 512 BTU per hour
Relative humidity	20% to 80%, non-condensing (operating)
Thermal gradient	10° C per hour (operating)
Altitude	-50 to 10,000 ft (-15.2 to 3,048 m)
Dimensions (WxDxH)	7.8" x 18.3" x 16.7"
Weight	40 lbs. (18.1 kg)

The InfiniVault product line offers innovative solutions that drive business value by preserving and protecting important data and reducing the cost of long-term data storage.

Storage for Terabyte-Years™ That's the ProStor way.