

vmPRO 4000

Simple, powerful, affordable protection for Virtual Machines

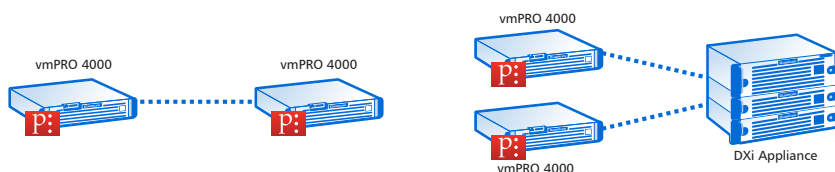


Complete backup and recovery solution for virtual machines in smaller sites combining turnkey simplicity, advanced technology, and affordability

As users in small businesses and remote sites put more data on virtual machines, the problem of protecting the virtual environment becomes more critical and more complex. Quantum's vmPRO 4000 provides the answer. The vmPRO 4000 is a complete data protection solution that combines turnkey simplicity with advanced VM protection technology and market-leading value. It's an all-in-one protection solution for virtual machines in SMBs and remote offices that includes both backup software and storage to retain months of data. Its high-speed backup utility writes data directly to disk and leverages industry-leading deduplication for long term retention. For DR protection, the vmPRO 4000 automatically replicates deduplicated data to other vmPRO systems or to DXi appliances in central sites.

vmPRO 4000 systems are built on an innovative combination of technologies specifically designed to provide faster and more effective VM protection. vmPRO's progressive optimization technology filters out unassigned or inactive data in each VM to reduce overhead on servers, networks, and storage and accelerate overall performance. The vmPRO application runs on its own virtual appliance, eliminating the need for agents or separate physical servers. And it provides a native, file system view of all the backup data, enabling fast, easy single-file restores and supporting non-backup uses for the datasets (test environments, archive access, e-discovery, etc).

The vmPRO 4000 provides the industry's highest level of overall value. One affordable price gives users everything they need for protecting all their VMs, with no hidden costs or extra charges. The deployment process is fast and easy, with automated discovery of VMs, simple scheduling options, and secure remote administration for multiple units. For sites using conventional backup apps, the vmPRO 4000 improves the effectiveness of legacy backup applications for VMs and can consolidate protection for both physical and virtual servers.



For automated DR protection, vmPRO solutions replicate deduplicated data to other vmPRO systems. In distributed deployments, multiple devices can replicate data to a DXi appliance in a data center.

KEY BENEFITS

Turnkey protection for all your virtual machines

- Backup software and storage in one, integrated solution
- Systems optimized for SMBs and remote offices
- Includes deduplication for long term retention of data on disk
- Integrated replication capability provides automated DR protection compatible with DXi appliances

Innovative technology combination for better VM protection

- Progressive optimization filters out inactive data for maximum performance and resource utilization
- Virtual appliance-based backup design eliminates agents and extra servers
- Native file system view of VM backup data means fast single-file restore and flexible, non-backup data use
- Simplifies management of virtual environment for all administrative functions

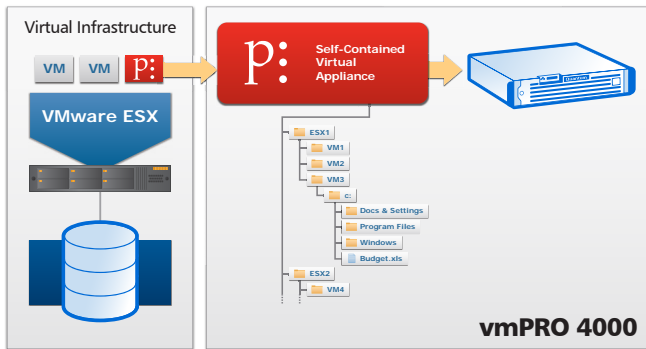
Delivers market leading value

- One affordable price includes all software and hardware for a complete protection system
- Simple, automated backup features with easy set up and low admin overhead
- Secure remote administration enables central management of remote offices
- Includes support for legacy backup apps and physical server backup to protect user investments

Supported by Quantum, the backup, recovery, and archive specialist

- Single point of service and support for the entire solution set
- On-site and phone support from the leading backup specialist
- Supported by worldwide network of technology and sales partners

vmPRO 4000



The vmPRO 4000's unique combination of innovative VM optimization technology and industry-leading deduplication provides higher performance and better data reduction than any software-only product or dedupe appliance alone can offer. This turnkey, affordable solution offers a wide range of key technical features to provide flexible and effective protection across VM environments.

- Application runs on self-contained VM appliance, no agents or dedicated servers
- Provides image level backup and direct, file level restore
- Auto-discovery of VMs for better protection in dynamic environments
- Uses vStorage API to access all VMs—running or idle—from one location
- Fully manageable within the vCenter console
- Full support for ESX 3.5, vSphere 4.X, and vSphere 5.0
- VSS support for Windows Shadow Services
- Variable-length block-level deduplication for maximum data reduction
- Replicating data protected by AES-128 encryption in one-to-one and many-to-one configurations
- Native format access to backup data (CIFS or NFS)

vmPRO 4000 HARDWARE SPECIFICATIONS

CAPACITY

vmPRO 4510	2.2TB Usable
vmPRO 4520	4.4TB Usable

SYSTEM

Presentation Layers	<ul style="list-style-type: none"> • NAS Backup Target (CIFS or NFS) • Symantec OST Logical Storage Unit
Performance	OST: 1.7TB/hr write NAS: 1.4TB/hr write
Replication	Asynchronous, one-to-one or multiple-to-one configurations

DEDUPLICATION

System performs variable-length block deduplication inline for the most efficient disk utilization

HOST TO APPLIANCE H/W INTERFACE

4x 10/100/1000 BaseT Ethernet

POWER ENVIRONMENT

Input Voltages:	100 to 240 VAC
Rated Frequency:	50 to 60 Hz
Rated Wattage:	750W×2

POWER INPUT

NEMA Power Cord: 5-15P to C-13

CLIMATIC ENVIRONMENT

TEMPERATURE

Operating:	50° to 95°F (10° to 35°C)
Shipping & Storage:	-40° to 149°F (-40° to 65°C)

RELATIVE HUMIDITY

Operating:	20 to 80% non-condensing
Shipping & Storage:	5 to 95% non-condensing

ALTITUDE

Operating:	-50 to 10,000ft (-15.2 to 3,048m)
Shipping & Storage:	-50 to 39,370ft (-15.2 to 10,668m)

PHYSICAL SPECIFICATIONS

W × L × H (inch/cm)	17.19 / 43.6 × 24.09 / 61 × 3.40 / 8.6
Weight (lbs/kg)	49.5 / 22.5

AGENCY CERTIFICATIONS

SAFETY

IEC 60950-1 (ed. 1), CSA 60950-1-03/UL 60950-1 1st Edition

EMISSIONS

EN55022 Class A, FCC Part 15 Class A, ICES-003 Class A, VCCI Class A, CISPR 22 Class A, CNS13438 Class A, KN22 Class A

For contact and product information, visit quantum.com or call 866-809-5230

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About Quantum

Quantum Corp. (NYSE:QTM) is the leading global specialist in backup, recovery, and archive. From small businesses to multinational enterprises, more than 50,000 customers trust Quantum to solve their data protection, retention and management challenges. Quantum's best-of-breed, open systems solutions provide significant storage efficiencies and cost savings while minimizing risk and protecting prior investments. They include three market-leading, highly scalable platforms: DXi®-Series disk-based deduplication and replication systems for fast backup and restore, Scalar® tape automation products for disaster recovery and long-term data retention, and StorNext® data management software for high-performance file sharing and archiving. Quantum Corp., 1650 Technology Drive, Suite 800, San Jose, CA 95110, (408) 944-4000, www.quantum.com.