

# UNITRENDS RECOVERY- AND vRECOVERY- SERIES APPLIANCES



Backup, Archiving &  
Disaster Recovery

Focus on your business, not your backup

The Unitrends' Recovery- and vRecovery-series of physical and virtual backup, archiving and disaster recovery appliances provide next-generation data protection designed from the ground-up as a simple, all-in-one solution for small and medium businesses. Unitrends' appliances enable businesses to focus on their business rather than on their backup through technology that is so sophisticated, it makes data protection simple.

## FEATURES AND BENEFITS

**Family of scalable, integrated backup, archiving and disaster recovery appliances** enables businesses to decrease capital and operational costs associated with procurement, integration, management, monitoring and troubleshooting of disparate hardware and software technologies. A federated, scalable architecture also means flexible deployments and no more "fork-lift" upgrades.

**No Limits™ licensing** means businesses have the freedom to protect rapidly growing IT environments without having the dreaded "backup tax" imposed - no nickel and diming on protected system count, operating systems or applications.

**Enterprise-level heterogeneous backup** offers network, server and storage administrators advanced administrative policies and multiple backup methodologies for 100+ versions of computers, storage devices, operating systems, hypervisors and applications.

**Adaptive byte-level deduplication** enables not just block-level deduplication but content-aware, byte-level deduplication to offer more "bang for the buck" in terms of backup retention.

**Integrated dissimilar bare metal recovery for physical and virtual servers** helps in quickly restoring systems, not just data, for both physical and virtual systems. P2P (physical-to-physical), P2V (physical-to-virtual), V2P (virtual-to-physical) and V2V (virtual-to-virtual) are all supported.

**Instant Recovery with failover virtualization** drastically reduces downtime due to a Windows or VMware system failure. It also offers better business continuity with typically less than five minutes to recover your system. Live and audit modes are supported for system recovery and verification in a sandbox virtualization environment.

**Physical and virtual versions of the Unitrends' backup, archiving and disaster recovery appliances** are available. They work together in heterogeneous environments to best match the needs of each business.

**Intuitive, federated, web-based user interface** allows administrators to monitor and manage one to hundreds of physical and virtual appliances from a single pane of glass web 2.0 user interface.

**Cloud-based disaster recovery** enables private cloud via our appliances and public cloud disaster recovery via our Vault2Cloud. Our vaulting is WAN-optimized, asymmetric (appliances don't have to be the same size) and allows true disaster recovery of entire premises from an off-site disaster recovery location.

**High-performance rotational archiving** with disk, tape, NAS and SAN via USB 2.0, eSATA and LAN.

**High performance networking support** enables support of up to 8x1Gb Ethernet, 2x10Gb Ethernet and 8Gb Fibre Channel interfaces.

Unitrends™

- Family of scalable, all-in-one backup, archiving and disaster recovery appliances
- No Limits™ licensing
- Enterprise-level heterogeneous backup
- Byte-level Adaptive Deduplication™
- Integrated dissimilar bare metal recovery for physical and virtual servers
- Physical and virtual versions of appliances
- Intuitive, federated, web-based user interface
- Cloud-based disaster recovery
- Instant Recovery with failover virtualization
- High-performance rotational archiving

## APPLIANCES

Unitrends offers a family of scalable physical (Recovery-series) and virtual (vRecovery-series) appliances for a range of business needs.

### Rack Appliances

The **Recovery-833** is perfect for larger organizations. It is a 3U form factor unit that supports byte-level deduplication with an unformatted usable physical storage capacity of 31TB (metadata and data). It is organized in a staged RAID-1/RAID-6 configuration, which supports the parallel commit of metadata with backup streams. It comes with dual power supplies and hot-swap user-replaceable drives.

The **Recovery-823** is perfect for larger organizations. It is a 2U form factor unit that supports byte-level deduplication with an unformatted usable physical storage capacity of 19TB (metadata and data). It is organized in a staged RAID-1/RAID-6 configuration, which supports the parallel commit of metadata with backup streams. It comes with dual power supplies and hot-swap user-replaceable drives.

The **Recovery-822** is perfect for medium-sized businesses that have less demanding storage requirements than that supported by the Recovery-823. It is a 2U form factor unit that supports byte-level deduplication with an unformatted usable physical storage capacity of 13TB (metadata and data). It is organized in a staged RAID-1/RAID-6 configuration, which supports the parallel commit of metadata with backup streams. It comes with dual power supplies and hot-swap user-replaceable drives.

The **Recovery-813** is perfect for small- to medium-sized businesses. This 1U form factor unit supports byte-level deduplication with an unformatted usable physical storage capacity of 9TB (metadata and data). It is organized in a RAID-5 configuration with cold-swap user-replaceable drives.

The **Recovery-713** is ideal for small- to medium-sized businesses. This 1U form factor unit supports byte-level deduplication with an unformatted usable physical storage of 6TB (metadata and data). It is organized in a RAID-10 configuration with cold-swap user-replaceable drives.



The **Recovery-712** is ideal for organizations that require less storage than the Recovery-713. This 1U form factor unit supports byte-level deduplication with an unformatted usable physical storage of 4TB (metadata and data) organized in a RAID-10 configuration with cold-swap user-replaceable drives.

The **Recovery-612** is perfect for smaller organizations that require enterprise-class data protection capabilities. It is a 1U form factor unit that supports byte-level deduplication with an unformatted usable physical storage capacity of 2TB (metadata and data) organized in a RAID-1 configuration with internal drives.

### Desktop Appliances

The **Recovery-312** is ideal for small businesses or for homogeneous or heterogeneous replicated branches of larger organizations that have a small amount of data to protect. It is a small desktop unit that supports byte-level deduplication with an unformatted usable physical storage capacity of 2TB (metadata and data). It is organized in a RAID-1 configuration with internal drives. It can be used to cross vault or it can serve as a private vault. All of Unitrends' major features come standard with the Recovery-312.

The **Recovery-212** is ideal for small businesses or for homogeneous or heterogeneous replicated branches of larger organizations that have a small amount of data to protect. It is a small desktop unit that supports byte-level deduplication with an unformatted usable physical storage capacity of 1TB (metadata and data). It is organized in a RAID-1 configuration with internal drives. It cannot be used to cross vault but it can serve as a private vault. All of Unitrends' major features come standard with the Recovery-212.

The **Recovery-172** is designed for small businesses or for homogenous or heterogeneous replicated branches of larger organizations that have a small amount of data to protect. It is a small desktop unit with an unformatted usable physical storage capacity of 1TB (metadata and data). This appliance does not offer RAID protection. It cannot be used to cross vault or serve as a private vault. However, all of Unitrends' major features come standard with the Recovery-172.

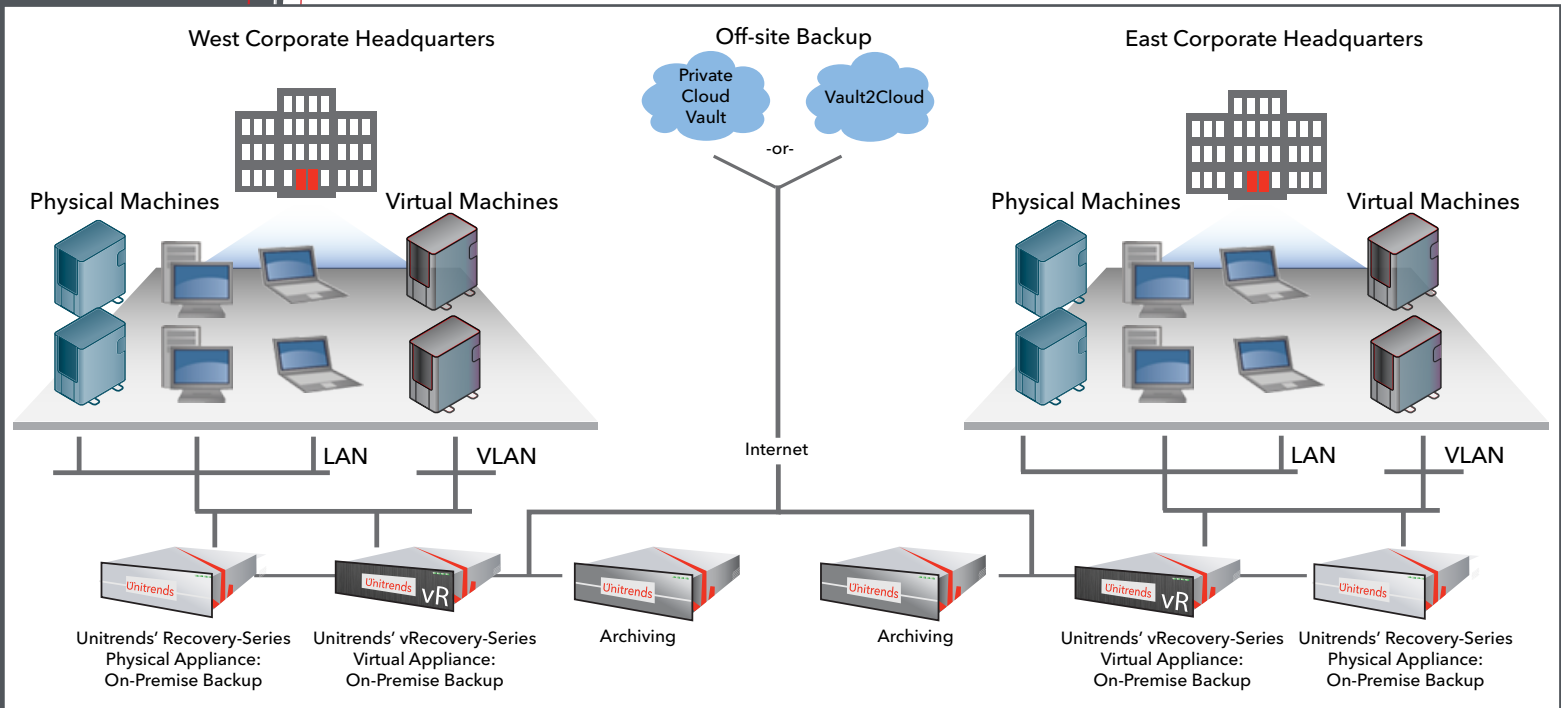


## Virtual Appliances

The **vRecovery** virtual appliance operates on VMware ESX/ESXi (licensed and unlicensed) vSphere 4.1 (and higher) and operates identically to our physical backup, archiving and disaster recovery appliances. It is ideal for businesses that have a previous investment in VMware-ready servers and storage. vRecovery is simply the Unitrends backup, archiving and disaster recovery solution on a VMware-based platform rather than a physical appliance platform. As such, VMware features such as vMotion, thin provisioning, direct I/O and others are supported inherently by vRecovery.

A 1TB vRecovery entry-level model is available in which that terabyte is the amount of formatted physical storage (data only) available for backup. vRecovery provides the same byte-level Adaptive Deduplication™ that our physical, rack-based appliances offer. The storage capacity on vRecovery can be scaled in proportion to the compute and memory resources available for the virtual appliance. Also, multiple vRecovery virtual appliances work and can be scaled together (just as our physical appliances do). In fact, all of our appliances may work together at a single customer site using our web 2.0 single pane of glass federated monitoring and management tools.

The following is a representation of how Unitrends' Recovery- and vRecovery-series appliances work:



# PLATFORM CHARACTERISTICS SUMMARY<sup>1</sup>

● Standard

○ Optional

∅ Not Available

Unitrends' Family of Backup Appliances											
Major Features	172	212	312	612	712	713	813	822	823	833	vRecovery
No Limits™ Licensing	●	●	●	●	●	●	●	●	●	●	●
Protects 100+ Versions of Operating Systems and Applications	●	●	●	●	●	●	●	●	●	●	●
Continuous Data Protection	●	●	●	●	●	●	●	●	●	●	●
Point-in-Time Protection	●	●	●	●	●	●	●	●	●	●	●
Adaptive Deduplication™	●	●	●	●	●	●	●	●	●	●	●
Vault2Cloud™ Enabled	●	●	●	●	●	●	●	●	●	●	●
Private Vaulting Enabled	●	●	●	●	●	●	●	●	●	●	●
iseGrid Scalable	●	●	●	●	●	●	●	●	●	●	●
Instant Recovery (Windows)	∅	∅	∅	●	●	●	●	●	●	●	∅
Instant Recovery (VMware)	∅	∅	∅	●	●	●	●	●	●	●	●
May Serve as Private Vault	∅	●	●	●	●	●	●	●	●	●	●
May Cross Vault	∅	∅	●	●	●	●	●	●	●	●	●
Rapid Recovery Console	●	●	●	●	●	●	●	●	●	●	●
Hot/Cold Bare Metal	●	●	●	●	●	●	●	●	●	●	●
Dissimilar Bare Metal	●	●	●	●	●	●	●	●	●	●	●
AES-256 Bit Encryption	●	●	●	●	●	●	●	●	●	●	●
Capacities	172	212	312	612	712	713	813	822	823	833	vRecovery
Raw Storage (TB) <sup>2</sup>	1	1	2	2	4	6	9	13	19	31	1 - unlimited
Maximum Backup (TB) <sup>3</sup>	0.4	0.5	1	1.2	2.4	3.2	6	9	13	20	0.6 - unlimited
Vaulting Capacity (TB)	∅	0.4	0.9	0.9	1.9	2.7	4.5	6	9	14	0.5 - unlimited
Rotational Archiving	172	212	312	612	712	713	813	822	823	833	vRecovery
Recovery-Dock (USB 2.0)	○	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
Recovery-Dock (eSATA)	∅	○	○	○	○	○	○	○	○	○	∅
Recovery-Archive (eSATA)	∅	∅	∅	○	○	○	○	○	○	○	∅
To Tape (using optional LVD SCSI/SAS adapter)	∅	∅	∅	∅	∅	○	○	○	○	○	∅
To NAS	○	○	○	○	○	○	○	○	○	○	○
To SAN	○	○	○	○	○	○	○	○	○	○	○
Standard eSATA Ports	0	1	1	1	1	1	1	1	1	1	∅
Optional eSATA Ports	0	0	0	0	4	4	4	4	4	4	∅
Networking	172	212	312	612	712	713	813	822	823	833	vRecovery
Standard 1Gb Ethernet Ports	1	1	1	2	2	2	2	2	2	4	∅
Optional 4x1Gb Ethernet Ports	0	0	0	0	0	4	4	4	4	4	∅
Total Possible 1Gb Ethernet Ports	1	1	1	2	2	6	6	6	6	8	∅
2x10Gb Ethernet	∅	∅	∅	∅	∅	∅	∅	○	○	○	∅
1x8Gb Fibre Channel	∅	∅	∅	∅	∅	∅	∅	○	○	○	∅

<sup>1</sup> Please see our [Detailed Appliance Comparison Matrix](#) for additional appliance information.

<sup>2</sup> Additional virtual processors and memory will be required as storage is added to vRecovery virtual appliances.

<sup>3</sup> Maximum backup is the best-case, maximum total backup size with the absolute minimum retention. It assumes a compression ratio of at least 2:1. Please use the [Unitrends Appliance Navigator](#) or the [Unitrends Virtual Appliance Navigator](#) for a more reliable value.