

# Recovery-Series Purpose-Built Backup Appliances

Today's modern backup and recovery solutions must be as agile and elastic as the IT environment they protect. Organizations face unrelenting data growth, increased server virtualization, and new silos of high performance physical server applications. Meanwhile, the pace of business demands aggressive Recovery Point Objectives (RPO), Recovery Time Objectives (RTO) and Service Level Agreements (SLAs). Unitrends Recovery-Series appliances are purpose-built to meet these challenges.



*Unitrends Recovery-Series Appliance Family*

## RECOVERY-SERIES APPLIANCE FAMILY

**Unitrends Recovery-Series Appliances** ease the pain of managing data protection, backup, and restoration.

In particular, Unitrends helps companies deal with growing data volumes and tight backup windows by providing a unified appliance with storage that simplifies backup and recovery operations.

- **Next-generation hardware** with tiered flash storage (starting in model 713S and up) provides improved backup performance, faster restore and recovery process, and greater scalability and flexibility.
- **Best-in-class unification** across physical and virtual servers as well as many operating systems and applications. Simplified administration enables seamless integration with physical and virtual applications.
- **All-in-one appliance** hardware includes CPU, disk, and networking as well as comprehensive data protection. Features include deduplication, instant recovery (Windows, VMware, Hyper-V), bare metal recovery, archive, and WAN optimized replication.
- **Centralized management** of data protection for remote and branch offices, while lowering capital and operational costs and improving disaster recovery preparedness.



200 Wheeler Road, Burlington, MA 01803



Recovery-Series Family Datasheet  
PART # DS-1040-ENG-A  
[www.unitrends.com](http://www.unitrends.com)

## Available in 11 All-In-One Integrated Appliance Models

From the remote office to the enterprise, Recovery-Series appliances offer from 1 TB to 97 TB of raw storage, 8 GB to 256 GB memory, and 2 to 16 CPU cores, all managed by a single pane of glass.

### COMPREHENSIVE DATA PROTECTION & RECOVERY

- **Designed to fit any infrastructure**—Physical, virtual, 100's of versions of servers, storage, operating systems, hypervisors and applications.
- **Provides flexible data protection**—Customizable backup strategies, multi-server scheduling, group management and application aware.
- **Protects large scale deployments**—Enhanced storage integration with NDMP NAS protection.
- **Includes local archiving**—D2D2X for long term retention, cloud seeding and recovery.
- **Incorporates WAN optimized replication**—Combining deduplication, compression, and encryption for secure byte-level data transmission.

### UNMATCHED PERFORMANCE

- **Enterprise class**—Faster CPU clock speeds, AES-NI hardware encryption, increased I/O bandwidth and tiered SSD storage yield dramatic performance improvements.
- **Solid State Drive (SSD)**—Yields 300% improvement in backup RPO allowing more data to be protected per day, while recovery times (RTO) are improved by 125%.
- **Near continuous data protection**—Enable backups as often as every 60 seconds for world class RPO.
- **Global adaptive byte-level deduplication**—Speeds up backups and optimizes storage capacity and WAN data transfer.

### UNPARALLELED CUSTOMER SUPPORT

- **Free hardware for life**—Pledge free hardware forever with 3 and 5 year support agreements.
- **Award winning customer support**—98% customer satisfaction rating.

### RECOVERY ASSURANCE

- **Cloud-empowered disaster recovery and business continuity**—Through 3rd party clouds via CloudHook, Unitrends No Limits Cloud™, and Disaster Recovery as a Service (DRaaS).
- **Recovery Assurance for vSphere**—Orchestrated testing and instant recovery of applications via Unitrends ReliableDR™.
- **Unitrends Bridge**—Local instant recovery of physical (P2V) or virtual (V2V) in one click.
- **Unified Bare Metal**—One pass dissimilar bare metal restore.



Videos, screenshots, and more features at [www.unitrends.com](http://www.unitrends.com)



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## Recovery-Series Appliance Family Specifications

	201	602	603	713S	714S	814S	823S	824S	933S	936S	943S
Raw Storage (TB)	1	2	3	6	8	12	19	25	37	73	97
Maximum Backup (TB)	600 GB	1.2	1.6	3.2	5	8	13	16	20	40	50
Form Factor	Desk-top	1U short	1U Short	1U	1U	1U	2U	2U	3U	3U	4U
Processor Cores/Threads	2/2	4/4	4/4	8/8	4/8	4/8	4/8	12/24	12/24	12/24	16/32
RAM (GB)	8	8	8	16	16	16	32	64	64	256	256
AES-NI	∅	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPMI	∅	∅	∅	∅	✓	✓	✓	✓	✓	✓	✓
Hot Swap Drives	∅	∅	∅	OS/ Backup	OS/ Backup	OS/ Backup	OS/ Backup	OS/ Backup	OS/ Backup	OS/ Backup	OS/ Backup
PCI Slots	∅	∅	∅	2	2	2	5	5	5	5	5
<b>Storage</b>	<b>201</b>	<b>602</b>	<b>603</b>	<b>713S</b>	<b>714S</b>	<b>814S</b>	<b>823S</b>	<b>824S</b>	<b>933S</b>	<b>936S</b>	<b>943S</b>
SSD Flash	∅	∅	∅	128GB	128GB	256GB	256GB	256GB	480GB	480GB	480GB
OS Disk	∅	∅	∅	∅	∅	∅	2x1TB	2x1TB	2x1TB	2x1TB	2x1TB
Backup Disk	1x1TB	2x2TB	2x3TB	4x3TB	4x4TB	4x4TB	8x3TB	8x4TB	14x3TB	16x6TB	36x3TB
RAID	∅	1	1	10	10	5	1/6	1/6	1/6	1/60	1/60
NDMP (EMC, NetApp)	∅	∅	∅	0	0	0	0	0	0	0	0
<b>Archiving Controller</b>	<b>201</b>	<b>602</b>	<b>603</b>	<b>713S</b>	<b>714S</b>	<b>814S</b>	<b>823S</b>	<b>824S</b>	<b>933S</b>	<b>936S</b>	<b>943S</b>
USB 3.0	✓	✓	✓	∅	∅	∅	∅	∅	∅	∅	∅
eSATA- 4 Port	∅	∅	∅	✓	✓	✓	✓	✓	✓	✓	✓
SAS Controller (Disk, Tape)	∅	∅	∅	0	0	0	0	0	0	0	0
<b>Major Features</b>	<b>201</b>	<b>602</b>	<b>603</b>	<b>713S</b>	<b>714S</b>	<b>814S</b>	<b>823S</b>	<b>824S</b>	<b>933S</b>	<b>936S</b>	<b>943S</b>
Adaptive Deduplication™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Heterogeneous – Physical, Virtual, Unified	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Enabled	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Replication Target & Cross Replicate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hot/Cold & Dissimilar Bare Metal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AES-256 Bit Encryption	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Instant Recovery (P2V); (V2V); (V2P)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Recovery Assurance for VMware	0	0	0	0	0	0	0	0	0	0	0

### Legend

✓ = Included

0 = Optional

∅ = Not available



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1GB Ethernet Ports	1	1	1	1	2	2	2	2	2	2	2
4x1 GB Ethernet Ports	Ø	Ø	Ø	Ø	0	0	0	0	0	0	0
2x10 GB Ethernet	Ø	Ø	Ø	Ø	0	0	0	0	0	0	0
1x8 GB Fibre Channel	Ø	Ø	Ø	Ø	0	0	0	0	0	0	0
<b>Monitoring/Management</b>	<b>201</b>	<b>602</b>	<b>603</b>	<b>713S</b>	<b>714S</b>	<b>814S</b>	<b>823S</b>	<b>824S</b>	<b>933S</b>	<b>936S</b>	<b>943S</b>
Single Pane of Glass	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Backup Scheduling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Inclusion/Exclusion Backup	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bandwidth Throttling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Comprehensive Reporting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Alert-Based Monitoring	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Platform Characteristics</b>	<b>201</b>	<b>602</b>	<b>603</b>	<b>713S</b>	<b>714S</b>	<b>814S</b>	<b>823S</b>	<b>824S</b>	<b>933S</b>	<b>936S</b>	<b>943S</b>
Width (Inches)	8.66	16.80	16.80	17.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20
Height (Inches)	5.12	1.75	1.75	1.75	1.75	1.75	3.50	3.50	5.20	5.20	7.00
Depth (Inches)	13.00	14.00	14.00	19.80	25.60	25.60	25.50	25.50	25.50	25.50	27.50
Unit Weight (Pounds)	14	14	14	29	38	38	65	69	90	93	160
Shipping Weight (Pounds)	16	18	18	35	44	44	72	76	97	100	171
AC Inputs (VAC)	100/ 240	100/ 240	100/ 240	100/ 240	100/ 240	100/ 240	100/ 240	100/ 240	100/ 240	100/ 240	100/ 240
AC Power Consumption (W)	220	200	200	350	563	563	740	740	920	920	1400
Redundant Power Supplies	Ø	Ø	Ø	Ø	Ø	✓	✓	✓	✓	✓	✓
Heat Generated while Operating (BTUs)	90	140	140	172	177	177	529	644	871	880	1380
Non-Operating Vibration	350	350	350	350	350	350	350	350	350	350	350
Operating Shock (2ms(Gs))	65	65	65	65	65	65	65	65	65	65	65
Non-Operating Shock (1ms(Gs))	350	350	350	350	350	350	350	350	350	350	350

### Legend

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### About Unitrends

Unitrends delivers award-winning business recovery solutions for any IT environment. The company's portfolio of virtual, physical and cloud solutions provides adaptive protection for organizations globally. To address the complexities facing today's modern data center, Unitrends delivers end-to-end protection and instant recovery of all virtual and physical assets as well as automated disaster recovery testing built for virtualization. With the industry's lowest total cost of ownership, Unitrends' offerings are backed by a customer support team that consistently achieves a 98 percent satisfaction rating. Visit [www.unitrends.com](http://www.unitrends.com).

Ready to see Unitrends in action? Watch us crash a server and restore it:  
[www.unitrends.com/product-demo](http://www.unitrends.com/product-demo)


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