

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, with 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 in-line deduplication, instant recovery (Windows, VMware, Hyper-V), bare metal recovery, archive, and WAN optimized replication with encryption in flight and at rest.
- **Centralized management** of data protection for remote and branch offices, while lowering capital and operational costs and improving disaster recovery preparedness.

From the remote office to the enterprise, Recovery-Series appliances offer from 1 TB to 182 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, and over 220 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 protection.
- **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**—Combines adaptive deduplication, deduplication acceleration, 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.
- **Adaptive data deduplication**—Combines global deduplication, inline deduplication, deduplication acceleration and in-place synthetics to speed up backups and optimizes storage capacity and WAN data transfer.

UNPARALLELED CUSTOMER SUPPORT

- **Free hardware for life**—Get 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**—Using, Unitrends No Limits Cloud™, Forever Cloud, and Disaster Recovery as a Service (DRaaS), and to 3rd party clouds via embedded CloudHook.
- **Recovery Assurance for vSphere & Hyper-V**—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.

Recovery-Series Appliance Family Specifications

	201	602	603	604	713S	714S	814S	823S	824S	933S	936S	943S	944S	946S
Raw Capacity (TB)	1	2	3	4	6	8	12	19	25	37	73	97	122	182
Suggested Backup (TB)	500 GB	1.1	1.6	2.4	3.6	4.8	7.2	11.4	15	22	44	63	80	118
Form Factor	Desk-top	1U Short	1U Short	1U Short	1U	1U	1U	2U	2U	3U	3U	4U	4U	4U
Processor Cores/Threads	2/2	4/4	4/4	4/4	8/8	4/8	4/8	4/8	12/24	12/24	12/24	16/32	16/32	16/32
RAM (GB)	8	8	8	8	16	16	16	32	64	128	256	256	256	256
AES-NI	∅	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
IPMI	∅	∅	∅	∅	∅	ü	ü	ü	ü	ü	ü	ü	ü	ü
Hot Swap Drives	∅	∅	∅	∅	OS/Back-up	OS/Back-up	OS/Back-up	OS/Back-up	OS/Back-up	OS/Back-up	OS/Back-up	Back-up	OS/Back-up	OS/Back-up
PCI Slots	∅	∅	∅	∅	∅	2	2	3	5	5	5	5	5	5
Storage	201	602	603	604	713S	714S	814S	823S	824S	933S	936S	943S	944S	946S
SSD Flash (in GBs)	∅	∅	∅	∅	128	128	256	256	256	480	480	480	480	480
OS Disk (in TBs)	∅	∅	∅	∅	∅	∅	∅	2x1	2x1	2x1	2x1	2x1	2x2	2x2
Backup Disk (in TBs)	1x1	2x2	2x3	2x4	4x3	4x4	4x4	8x3	8x4	14x3	16x6	36x3	34x4	34x6
RAID	∅	1	1	1	10	10	5	1/6	1/6	1/6	1/60	1/60	1/60	1/60
NDMP (EMC, NetApp)	∅	∅	∅	∅	O	O	O	O	O	O	O	O	O	O
Archiving Controller	201	602	603	604	713S	714S	814S	823S	824S	933S	936S	943S	944S	946S
USB 3.0	ü	ü	ü	ü	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
eSATA- 4 Port	∅	∅	∅	∅	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
SAS Controller (Disk, Tape)	∅	∅	∅	∅	∅	O	O	O	O	O	O	O	O	O
LVD SCSI Controller (Tape)	∅	∅	∅	∅	∅	O	O	O	O	O	O	O	O	O
Major Features	201	602	603	604	713S	714S	814S	823S	824S	933S	936S	943S	944S	946S
Adaptive Deduplication™	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Heterogeneous – Physical, Virtual, Unified	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Cloud Enabled	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Replication Target & Cross Replicate	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Hot/Cold & Dissimilar Bare Metal	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
AES-256 Bit Encryption	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Instant Recovery (P2V); (V2V); (V2P)	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Recovery Assurance for vSphere & Hyper-V	O	O	O	O	O	O	O	O	O	O	O	O	O	O

Legend

ü = Included

O = Optional

∅ = Not available

Recovery-Series Appliance Family Specifications

	201	602	603	604	713S	714S	814S	823S	824S	933S	936S	943S	944S	946S
1GB Ethernet Ports	1	1	1	1	1	2	2	2	2	2	2	2	2	2
4x1 GB Ethernet Ports	Ø	Ø	Ø	Ø	Ø	O	O	O	O	O	O	O	O	O
2x10 GB Ethernet	Ø	Ø	Ø	Ø	Ø	O	O	O	O	O	O	O	O	O
1x8 GB Fibre Channel	Ø	Ø	Ø	Ø	Ø	O	O	O	O	O	O	O	O	O
Monitoring/Management	201	602	603	604	713S	714S	814S	823S	824S	933S	936S	943S	944S	946S
Single Pane of Glass	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Backup Scheduling	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Inclusion/Exclusion Backup	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Bandwidth Throttling	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Comprehensive Reporting	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Alert-Based Monitoring	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Platform Characteristics	201	602	603	604	713S	714S	814S	823S	824S	933S	936S	943S	944S	946S
Width (Inches)	8.66	16.80	16.80	16.80	17.20	17.20	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	1.75	3.50	3.50	5.20	5.20	7.00	7.00	7.00
Depth (Inches)	13.00	14.00	14.00	14.00	19.80	25.60	25.60	25.50	25.50	25.50	25.50	27.50	27.50	27.50
Unit Weight (Pounds)	14	14	14	14	29	38	38	65	69	90	93	160	160	160
Shipping Weight (Pounds)	16	18	18	18	35	44	44	72	76	97	100	171	171	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	100/ 240	100/ 240	100/ 240
AC Power Consumption (W)	220	200	200	200	350	563	563	740	740	920	920	1400	1280	1280
Redundant Power Supplies	Ø	Ø	Ø	Ø	Ø	Ø	ü	ü	ü	ü	ü	ü	ü	ü
Heat Generated while Operating (BTUs)	90	140	140	140	172	177	177	529	644	871	880	1380	1658	1910
Non-Operating Vibration	350	350	350	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	65	65	65
Non-Operating Shock (1ms(Gs))	350	350	350	350	350	350	350	350	350	350	350	350	350	350

Legend

ü = Included

O = Optional

Ø = Not available

About Avax

Avax 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, Avax 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.avax.com.

Ready to see the us in
action? Watch us crash a
server and restore it:

www.unitrends.com/product-demo

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Recovery-Series Family Datasheet
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