

## Unitrends Recovery Series

ALL-IN-ONE APPLIANCES FOR HANDS-FREE BACKUP AND RECOVERY | GEN 8

### Unitrends all-in one Recovery Series appliances

automate manual tasks, eliminate management hassle, and deliver tested hardware and software resilience

- » **Engineered for Simplicity** – All-in-one backup appliances install in minutes and set the industry standard for ease of use. Advanced automation and a powerful UI make data protection simpler, more automated and more resilient than any other solution in the industry.
- » **Cloud Empowered** – Recovery Series appliances optionally integrate with our purpose-built cloud for simple, cost efficient offsite storage, long-term retention and white glove disaster recovery-as-a-service (DRaaS).
- » **Three Point Ransomware Protection** – Hardened Linux-based architecture makes Recovery Series Appliances impervious to Windows-targeted malware. Adaptive and predictive AI analytics scan all backup and replication data to identify and alert IT of potential ransomware threat conditions. Application-level Recovery Assurance testing ensures recoveries meet SLAs and eliminates the risk of restoring from infected backups.
- » **Predictive Analytics and Self-Healing Technology for Rock Solid IT Resilience** – Next-generation technologies, such as Helix self-healing backup software, machine learning analytics and predictive analytics technology proactively anticipate and resolve potential downtime threats and leading causes of recovery failure – including ransomware, VSS issues, drive failures, and much more - before they happen.
- » **Award Winning 24/7/365 Support** – Based in the U.S. with a 98% customer satisfaction rate.



## Recovery Series Features

All models are available in Enterprise or Enterprise Plus editions

FEATURES	ENTERPRISE	ENTERPRISE PLUS
Backup for Physical, Virtual (VMware, Hyper-V, XenServer), Nutanix, Cisco UCS - See <a href="#">250+ Supported Systems</a>	✓	✓
Automatic Ransomware Detection - Built-in AI detects and alerts you to ransomware	✓	✓
24x7X365 Customer Support	✓	✓
AES-256 Bit Encryption	✓	✓
Global Adaptive Deduplication	✓	✓
Local Backup Copies (NAS, DAS, and SAN)	✓	✓
<a href="#">Unitrends Cloud &amp; DRaaS</a> - Enabled and Integrated with <a href="#">AWS &amp; Azure</a> Clouds	✓	✓
Hot/Cold & Dissimilar Bare Metal Recovery	✓	✓
Replication Target	✓	✓
Instant Recovery (P2V); (V2V); (V2P)	✓	✓
VMware and Windows Replicas	✓	✓
<a href="#">Predictive Analytics-based Hardware Resilience &amp; Failure Alerts</a>	✓	✓
<a href="#">SLA Policy Automation</a> - Define & schedule backups in one easy step based on your RTO and RPO goals	✓	✓
Integration with RESTful API	✓	✓
Database Protection for SQL Server & Oracle	✓	✓
Enterprise Application Backup - Exchange, SharePoint	✓	✓
<a href="#">Long-Term Data Management</a>	✓	✓
<a href="#">Distributed Enterprise Manager</a> Single Pane of Glass Management	✗	✓
<a href="#">Automated Recovery Testing</a>	✗	✓
<a href="#">Automated Failover</a>	✗	✓
RTO/RPO Compliance Reporting	✗	✓
Recovery Analytics	✗	✓
<a href="#">Failover/Failback to AWS/Azure</a>	✗	✓
<a href="#">Unlimited Granular Exchange Recovery</a>	✗	✓
<a href="#">Security-Integrated Copy Data Management (CDM)</a>	✗	✓

✓ Included ✗ Requires Enterprise Plus

	8002	8004	8006	8008	8010	8012	8016S	8020S	8024S	8032S	8040S	8060S	8080S	8100S	8120S
Usable Capacity (TB)	2	4	6	8	10	12	16	20	24	32	40	60	80	100	120
Suggested Backup (TB)*	1.1	2.4	3.6	4.8	6.0	7.6	10.1	12.6	16.6	22.0	27.5	41.2	55.0	68.7	82.4
Form Factor	1U Short	1U Short	1U Short	1U Short	1U Short	1U Short	1U	1U	2U	2U	2U	2U	2U	2U	2U
Processor Cores/Threads	2/4	2/4	4/8	4/8	4/8	4/8	4/8	4/8	16/32	16/32	16/32	16/32	20/40	20/40	20/40
RAM (GB)	8	8	16	16	16	16	32	64	64	64	128	128	256	256	256
ECC RAM	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
AES-NI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPMI	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hot Swap HD	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
1 Gb Ethernet Ports	1	1	1	1	1	1	✗	✗	✗	✗	✗	✗	✗	✗	✗
10 Gb Base-T RJ45 Ports	✗	✗	✗	✗	✗	✗	2	2	2	2	2	2	2	2	2
<b>ADD-ON ADAPTERS</b>	<b>8002</b>	<b>8004</b>	<b>8006</b>	<b>8008</b>	<b>8010</b>	<b>8012</b>	<b>8016S</b>	<b>8020S</b>	<b>8024S</b>	<b>8032S</b>	<b>8040S</b>	<b>8060S</b>	<b>8080S</b>	<b>8100S</b>	<b>8120S</b>
2x 10 Gb Ethernet SFP + NIC	✗	✗	✗	✗	✗	✗	✗	✗	⊖	⊖	⊖	⊖	⊖	⊖	⊖
1x8 Gb Ethernet Fibre Channel	✗	✗	✗	✗	✗	✗	✗	✗	⊖	⊖	⊖	⊖	⊖	⊖	⊖
<b>ARCHIVING ADAPTERS</b>	<b>8002</b>	<b>8004</b>	<b>8006</b>	<b>8008</b>	<b>8010</b>	<b>8012</b>	<b>8016S</b>	<b>8020S</b>	<b>8024S</b>	<b>8032S</b>	<b>8040S</b>	<b>8060S</b>	<b>8080S</b>	<b>8100S</b>	<b>8120S</b>
USB 3.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SAS - 4 Port Controller (RXDA)	✗	✗	✗	✗	✗	✗	✓+	✓+	⊖	⊖	⊖	⊖	⊖	⊖	⊖
12 Gbps SAS Controller (Tape)	✗	✗	✗	✗	✗	✗	✓®	✓®	⊖®	⊖®	⊖®	⊖®	⊖®	⊖®	⊖®
<b>STORAGE</b>	<b>8002</b>	<b>8004</b>	<b>8006</b>	<b>8008</b>	<b>8010</b>	<b>8012</b>	<b>8016S</b>	<b>8020S</b>	<b>8024S</b>	<b>8032S</b>	<b>8040S</b>	<b>8060S</b>	<b>8080S</b>	<b>8100S</b>	<b>8120S</b>
SSD Flash (in GBs)	✗	✗	✗	✗	✗	✗	256	256	256	256	256	256	256	256	256
OS Disk	✗	✗	✗	✗	✗	✗	✗	✗	2x1TB	2x1TB	2x128GB	2x128GB	2x128GB	2x128GB	2x128GB
OS RAID Level	✗	✗	✗	✗	✗	✗	✗	✗	RAID 1	RAID 1	RAID 1	RAID 1	RAID 1	RAID 1	RAID 1
Backup Disk (in TBs)	1x2	2x4	2x6	2x8	2x10	2x12	4x8	4x10	8x4	10x4	12x4	12x6	12x8	12x10	12x12
Backup RAID Type - Level	N/A	RAID 1	RAID 1	RAID 1	RAID 1	RAID 1	RAID 10	RAID 10	RAID 6	RAID 6	RAID 6	RAID 6	RAID 6	RAID 6	RAID 6

✓ Included + Included in Enterprise Plus Editions ⊖ Optional ✗ Not Available

\* Suggested backup sizes are estimates, based on data measured across thousands of customers. The estimates assume 30 days of retention and a typical composition of file and VM data.

† Additionally requires a mini SAS cable, available from third party vendors | Additionally requires an adapter cable, available from Unitrends (item number ADAK-1U-SAS2ESATA)

# Appliance Family Datasheet

	8002	8004	8006	8008	8010	8012	8016S	8020S	8024S	8032S	8040S	8060S	8080S	8100S	8120S
<b>ADDITIONAL OPTIONS</b>	<b>8002</b>	<b>8004</b>	<b>8006</b>	<b>8008</b>	<b>8010</b>	<b>8012</b>	<b>8016S</b>	<b>8020S</b>	<b>8024S</b>	<b>8032S</b>	<b>8040S</b>	<b>8060S</b>	<b>8080S</b>	<b>8100S</b>	<b>8120S</b>
NDMP Backup (EMC, NetApp)	✗	✗	✗	✗	✗	✗	☞	☞	☞	☞	☞	☞	☞	☞	☞
Pledge Evergreen Hardware	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
<b>PLATFORM CHARACTERISTICS</b>	<b>8002</b>	<b>8004</b>	<b>8006</b>	<b>8008</b>	<b>8010</b>	<b>8012</b>	<b>8016S</b>	<b>8020S</b>	<b>8024S</b>	<b>8032S</b>	<b>8040S</b>	<b>8060S</b>	<b>8080S</b>	<b>8100S</b>	<b>8120S</b>
Width (inches)	16.8 (426 mm)	16.8 (426 mm)	16.8 (426 mm)	16.8 (426 mm)	16.8 (426 mm)	16.8 (426 mm)	17.2 (437 mm)	17.2 (437 mm)	17.2 (437 mm)	17.2 (437 mm)	17.2 (437 mm)	17.2 (437 mm)	17.2 (437 mm)	17.2 (437 mm)	17.2 (437 mm)
Height (inches)	1.7 (43 mm)	1.7 (43 mm)	1.7 (43 mm)	1.7 (43 mm)	1.7 (43 mm)	1.7 (43 mm)	1.7 (43 mm)	1.7 (43 mm)	3.5 (89 mm)	3.5 (89 mm)	3.5 (89 mm)	3.5 (89 mm)	3.5 (89 mm)	3.5 (89 mm)	3.5 (89 mm)
Depth (inches)	14 (356 mm)	14 (356 mm)	14 (356 mm)	14 (356 mm)	14 (356 mm)	14 (356 mm)	19.85 (650 mm)	19.85 (650 mm)	25.5 (647 mm)	25.5 (647 mm)	25.5 (647 mm)	25.5 (647 mm)	25.5 (647 mm)	25.5 (647 mm)	25.5 (647 mm)
Unit Weight (Pounds)	16 (7.3 kg)	16 (7.3 kg)	16 (7.3 kg)	16 (7.3 kg)	16 (7.3 kg)	16 (7.3 kg)	27 (12.2 kg)	27 (12.2 kg)	57 (25.9 kg)	56 (25.4 kg)	56 (25.4 kg)	57 (25.9 kg)	58 (26.3 kg)	56 (25.4 kg)	57 (25.9 kg)
Shipping Weight (Pounds)	20 (9 kg)	20 (9 kg)	20 (9 kg)	20 (9 kg)	20 (9 kg)	20 (9 kg)	35 (15.9 kg)	35 (15.9 kg)	76 (34.5 kg)	75 (34 kg)	75 (34 kg)	76 (34.5 kg)	77 (35 kg)	75 (34 kg)	76 (34.5 kg)
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	100/240
AC Power Consumption (W)	200	200	200	200	200	200	350	350	920	920	920	920	920	920	920
Redundant Power Supply	✗	✗	✗	✗	✗	✗	✗	✗	☑	☑	☑	☑	☑	☑	☑
Heat Generated While Operating (BTUs)	833	833	833	833	833	833	1495	1495	3340	3340	3340	3340	3340	3340	3340
Non-Operating Vibration	350	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	65
Non-Operating Shock (1ms(Gs))	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350

☑ Included ☞ Included in Enterprise Plus Editions ⊖ Optional ✗ Not Available



## ABOUT UNITRENDS

Unitrends makes efficient, reliable backup and recovery as effortless and hassle-free as possible. We combine deep expertise gained over thirty years of focusing on backup and recovery with next generation backup appliances and cloud purpose-built to make data protection simpler, more automated and more resilient than any other solution in the industry.

Learn more by visiting [unitrends.com](http://unitrends.com) or follow us on LinkedIn and Twitter @Unitrends.

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