

## Unitrends Physical Backup Appliances

HANDS-FREE BACKUP AND RECOVERY | RECOVERY SERIES, RECOVERY SERIES MAX & ION/ION+

Unitrends all-in one physical backup appliances automate manual tasks, eliminate management hassle and deliver tested hardware and software resilience.

New ION/ION+ desktop appliances now available as a completely silent micro desktop (ION models) or a powerful and ultra-quiet desktop tower (ION+ models). Perfect for offices with no server room or MSPs scaling backup to small customer sites.



- » **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** – Unitrends backup appliances optionally integrate with our purpose-built cloud for simple, cost-efficient off-site storage, long-term retention and white glove Disaster Recovery-as-a-Service (DRaaS).
- » **Three-Point Ransomware Protection** – Hardened Linux-based architecture makes Unitrends physical backup 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, proactively anticipate and resolve potential downtime threats and leading causes of recovery failure, such as ransomware, VSS issues, drive failures and much more, before they happen.
- » **Centralized Multidevice Management** – With UniView, a SaaS-based platform, manage all of your backup appliances at any location from one elegant portal.
- » **Award-Winning 24/7/365 Support** – Based in the U.S. with a 98% customer satisfaction rate.
- » **Simple, Predictable Pricing** – With Subscription pricing, always have full-featured backup and disaster recovery in place with flexible payment options to match your budget.



### CHOOSE FROM

- ▶ **Recovery Series rackmount appliances available in 15 sizes from 2-120 TB — enterprise-class backup built for any size server room and any amount of data.**
- ▶ **Recovery Series MAX appliances with supercharged computing power for on-site recovery and application hosting.**
- ▶ **ION or ION+ appliances that deliver enterprise-class backup for the office and optional on-site DR in an ultra-quiet desktop form factor.**

## Unitrends Backup Appliance Features

All models now include our most advanced backup software with built-in enterprise features. Available add-ons include Helix self-healing backup automation, long-term retention and DRaaS.

RECOVERY SERIES, RECOVERY SERIES MAX, AND ION/ION+ FEATURES	INCLUDED
Backup for Physical, Virtual (VMware, Hyper-V, XenServer), Nutanix AHV, Cisco UCS and more	✓
Automatic Ransomware Detection - Built-in AI detects and alerts you to ransomware	✓
24/7/365 Customer Support	✓
AES-256 Bit Encryption	✓
Global Adaptive Deduplication	✓
Local Backup Copies (NAS, DAS and SAN)	✓
Unitrends Cloud & DRaaS - Enabled and Integrated With AWS & Azure Clouds	Add-Ons Available
Hot/Cold & Dissimilar Bare Metal Recovery	✓
Replication Target	✓
Instant Recovery (P2V); (V2V); (V2P)	✓
VMware and Windows Replicas	✓
Predictive Analytics-Based Hardware Resilience & Failure Alerts	✓
SLA Policy Automation - 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	✓
Long-Term Data Management	✓
Centralized Multidevice Management	✓
Automated Recovery Testing	✓
Automated Failover	✓
RTO/RPO Compliance Reporting	✓
Recovery Analytics	✓
Unlimited Granular Exchange Recovery	✓
Security-Integrated Copy Data Management (CDM)	✓

# Recovery Series Backup Appliances Specifications

Original flavor of Unitrends' legendary all-in-one backup appliances, built for any size server room.

	9002	9004	9006	9008	9010	9012	9016S	9020S	9024S	9032S	9040S	9060S	9080S	9100S	9120S
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	1U	1U	1U	1U	1U	1U	1U	1U	2U	2U	2U	2U	2U	2U
Processor Cores/Threads	4/8	4/8	4/8	4/8	4/8	4/8	8/16	8/16	8/16	16/32	16/32	24/48	24/48	24/48	24/48
RAM (GB)	8	8	16	16	16	16	32	32	32	64	128	256	256	256	256
ECC RAM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AES-NI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
iDRAC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Virtual Remote Console	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hot Swap HD	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
1 Gb Ethernet Ports	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Gb Base - T RJ45 Ports	✗	✗	✗	✗	✗	✗	2	2	2	2	2	2	2	2	2
ADD-ON ADAPTERS	9002	9004	9006	9008	9010	9012	9016S	9020S	9024S	9032S	9040S	9060S	9080S	9100S	9120S
2x 10 Gb Ethernet SFP + NIC	✗	✗	✗	✗	✗	✗	✗	✗	✗	⦿	⦿	⦿	⦿	⦿	⦿
1x8 Gb Ethernet Fibre Channel	✗	✗	✗	✗	✗	✗	✗	✗	✗	⦿	⦿	⦿	⦿	⦿	⦿
ARCHIVING ADAPTERS	9002	9004	9006	9008	9010	9012	9016S	9020S	9024S	9032S	9040S	9060S	9080S	9100S	9120S
USB 3.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SAS to 4 Port eSATA Controller (RXDA) ●	✗	✗	✗	✗	✗	✗	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿
12 Gbps SAS Controller (Tape) ●	✗	✗	✗	✗	✗	✗	⦿⚡	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿

✓ Included    ⦿ Optional    ✗ Not Available

ⓘ Usable Capacity is the appliance's raw backup capacity after RAID.

★ 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.

● A single appliance can be connected to either RXDA or Tape, but not both at once.

	9002	9004	9006	9008	9010	9012	9016S	9020S	9024S	9032S	9040S	9060S	9080S	9100S	9120S
STORAGE	9002	9004	9006	9008	9010	9012	9016S	9020S	9024S	9032S	9040S	9060S	9080S	9100S	9120S
SSD Flash (in GBs)	✗	✗	✗	✗	✗	✗	240	240	240	480	480	480	480	480	480
OS Disk	✗	✗	✗	✗	✗	✗	✗	✗	✗	2x1TB	2x480GB	2x480GB	2x480GB	2x480GB	2x480GB
OS RAID Level	✗	✗	✗	✗	✗	✗	✗	✗	✗	RAID 1	RAID 1	RAID 1	RAID 1	RAID 1	RAID 1
Backup Disk (in TBs)	1x2	2x4	2x8 ↑	2x8	2x12 ↑	2x12	4x8	4x12	4x12	10x4	12x4	12x8	12x8	10x16↑	10x16
Backup RAID Type - Level	N/A	RAID 1	RAID 1	RAID 1	RAID 1	RAID 1	RAID 10	RAID 10	RAID 10	RAID 6	RAID 6	RAID 6	RAID 6	RAID 6	RAID 6
ADDITIONAL OPTIONS	9002	9004	9006	9008	9010	9012	9016S	9020S	9024S	9032S	9040S	9060S	9080S	9100S	9120S
NDMP Backup (EMC, NetApp)	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pledge Evergreen Hardware	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿
PLATFORM CHARACTERISTICS	9002	9004	9006	9008	9010	9012	9016S	9020S	9024S	9032S	9040S	9060S	9080S	9100S	9120S
Width (inches)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)	17.08 (434 mm)
Height (inches)	1.68 (42.8 mm)	1.68 (42.8 mm)	1.68 (42.8 mm)	1.68 (42.8 mm)	1.68 (42.8 mm)	1.68 (42.8 mm)	1.68 (42.8 mm)	1.68 (42.8 mm)	1.68 (42.8 mm)	3.40 (86.8 mm)	3.40 (86.8 mm)	3.40 (86.8 mm)	3.40 (86.8 mm)	3.40 (86.8 mm)	3.40 (86.8 mm)
Depth (inches)	23.45 (595.6mm)	23.45 (595.6mm)	23.45 (595.6mm)	23.45 (595.6mm)	23.45 (595.6mm)	23.45 (595.6mm)	27.26 (692.6mm)	27.26 (692.6mm)	27.26 (692.6mm)	28.16 (715.5 mm)	28.16 (715.5 mm)	28.16 (715.5 mm)	28.16 (715.5 mm)	28.16 (715.5 mm)	28.16 (715.5 mm)
Unit Weight (Pounds)	26.89 (12.2 kg)	26.89 (12.2 kg)	26.89 (12.2 kg)	26.89 (12.2 kg)	26.89 (12.2 kg)	26.89 (12.2 kg)	36.92 (16.8 kg)	36.92 (16.8 kg)	36.92 (16.8 kg)	72.97 (33.1 kg)	72.97 (33.1 kg)	72.97 (33.1 kg)	72.97 (33.1 kg)	72.97 (33.1 kg)	72.97 (33.1 kg)
Shipping Weight (Pounds)	40 (18.1kg)	40 (18.1kg)	40 (18.1kg)	40 (18.1kg)	40 (18.1kg)	40 (18.1kg)	53 (24.0 kg)	53 (24.0 kg)	53 (24.0 kg)	88 (39.9 kg)	88 (39.9 kg)	88 (39.9 kg)	88 (39.9 kg)	88 (39.9 kg)	88 (39.9 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)	250	250	250	250	250	250	550	550	550	750	750	750	750	750	750
Redundant Power Supply	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓
Heat Generated While Operating (BTUs)	1039	1039	1039	1039	1039	1039	2107	2107	2107	2891	2891	2891	2891	2891	2891
Operating Temperature	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)
Relative Humidity	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point	10%-80% with 29°C (84.2°F) Max Dew Point

✓ Included    ⦿ Optional    ✗ Not Available

↑ The physical Backup Disk size is shown but is licensed down to the appliance's Usable Capacity.

## Recovery Series MAX Backup Appliance Specifications

Recovery Series MAX appliances deliver supercharged computing power for hosting of failed applications on site — perfect for MSPs, ROBOs or anyone that requires more from their backup hardware.

	RECOVERY SERIES MAX 2	RECOVERY SERIES MAX 4	RECOVERY SERIES MAX 8
Usable Capacity (TB)*	2	4	8
Suggested Backup (TB)	1.1	2.4	4.8
Backup Disk (in TBs)	4x1	4x2	4x4
Processor Cores/ Threads	8/16	8/16	8/16
RAM (GB)	32 OR 64	32 OR 64	32 OR 64
AES-NI	✓	✓	✓
Virtual Remote Console	✓	✓	✓
1 Gb RJ45 Ethernet Ports	2	2	2
10 Gb RJ45 Ethernet Ports (2) •	⦿	⦿	⦿
10 Gb SFP+ Ethernet Ports (2) •	⦿	⦿	⦿
SSD Flash (GB)	240	240	240
OS Disk	N/A	N/A	N/A
Backup RAID Type - Level	RAID10	RAID10	RAID10
Archiving Adapters	USB 3.0	USB 3.0	USB 3.0
Form Factor	1U	1U	1U
Dimensions (inches) Width X Height X Depth	17.08 W X 1.68 H X 22.58D (434 mm X 43 mm X 574 mm)	17.08 W X 1.68 H X 22.58 D (434 mm X 43 mm X 574 mm)	17.08 W X 1.68 H X 22.58 D (434 mm X 43 mm X 574 mm))
Unit Weight (Pounds)	29.98 (13.6 kg)	29.98 (13.6 kg)	29.98 (13.6 kg)
Shipping Weight (Pounds)	43 (19.5 kg)	43 (19.5 kg)	43 (19.5 kg)
AC Inputs (VAC)	100/240	100/240	100/240
AC Power Consumption (W)	550	550	550
Heat Generated While Operating (BTUs)	2107	2107	2107

✓ Included      ⦿ Optional

\* Usable Capacity is the appliance's raw backup capacity after RAID.

- Requires purchase of an add-on card. Each appliance has one expansion slot, so it supports either an RJ45 or an SFP+ connection.

## ION/ION+ Backup Appliance Specifications

New! Unitrends ION / ION+ backup appliances deliver enterprise-class backup for the office. ION micro desktop appliances are built with premium NVMe® solid state drives with no moving parts—perfect for offices and customer sites without a server room. ION + appliances are ultra-quiet, powerful desktop towers that deliver instant failover for recovery right on the box—perfect for scaling on-site backup and DR to many locations.

	ION 2TB	ION+ 2TB	ION+ 4TB	ION+ 8TB
Form Factor	Micro Desktop	Desktop Tower	Desktop Tower	Desktop Tower
Usable Capacity (TB)*	2	2	4	8
Suggested Backup (TB)	1.1	1.1	2.4	4.8
Backup Disk (in TBs)	1x2	2x4	2x4	2x8
Processor Cores/ Threads	2/4	8/16	8/16	8/16
RAM (GB)	8	32	32	32
AES-NI	✓	✓	✓	✓
Out of Band Management	No	✓ Intel Vpro	✓ Intel Vpro	✓ Intel Vpro
Hot Swap HD	Not Supported	Not Supported	Not Supported	Not Supported
1 Gb RJ45 Ethernet Ports	1	1	1	1
Drive Type	m.2 NVMe Flash	SATA HDD	SATA HDD	SATA HDD
Backup RAID Type - Level	Not Applicable	RAID1	RAID1	RAID1
Archiving Adapters	Not Supported	Not Supported	Not Supported	Not Supported
Dimensions (inches) Width X Height X Depth	4.61" x 4.41" x 1.46" (117mm x 112mm x 37mm)	6.95" x 13.58" x 13.16" (176.6mm x 345.0mm x 335.0mm)	6.95" x 13.58" x 13.16" (176.6mm x 345.0mm x 335.0mm)	6.95" x 13.58" x 13.16" (176.6mm x 345.0mm x 335.0mm)
Unit Weight	2 lbs (907.2 gr)	18.74 lbs (8.5kg)	18.74 lbs (8.5kg)	18.74 lbs (8.5kg)
Shipping Weight	6 lbs (2.72kg)	24.86 lbs (11.27kg)	24.86 lbs (11.27kg)	24.86 lbs (11.27kg)
AC Input Voltage Range	100/240	90VAC to 264VAC	90VAC to 264VAC	90VAC to 264VAC
AC Power Consumption	12 VDC to 24VDC AC/DC Power Converter	460W	460W	460W
Heat Generated While Operating (BTUs)/Hr	Not Applicable	1570	1570	1570
Operating Temperature	Not Applicable	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Relative Humidity Max (Operating Environment)	Not Applicable	20% to 80% (non-condensing, max dew point temperature = 26°C)	20% to 80% (non-condensing, max dew point temperature = 26°C)	20% to 80% (non-condensing, max dew point temperature = 26°C)

✓ Included

\* Usable Capacity is the appliance's raw backup capacity after RAID.

**Note:** Direct SAN VMware backups are not supported on ION or ION+ appliances.



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## 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](https://unitrends.com) or follow us on LinkedIn and Twitter @Unitrends.

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