



**GRANDO  
RM**

DATASHEET

# COMINO GRANDO FORENSIC DPR 5-FT

Ultra-compact liquid-cooled GPU accelerated  
devices for password recovery and decryption

## KEY ADVANTAGES



Best Multi-GPU performance  
for specialists, workgroups  
and research teams

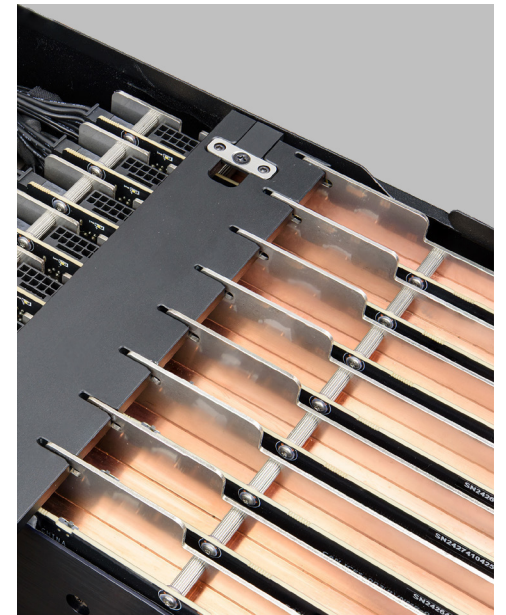
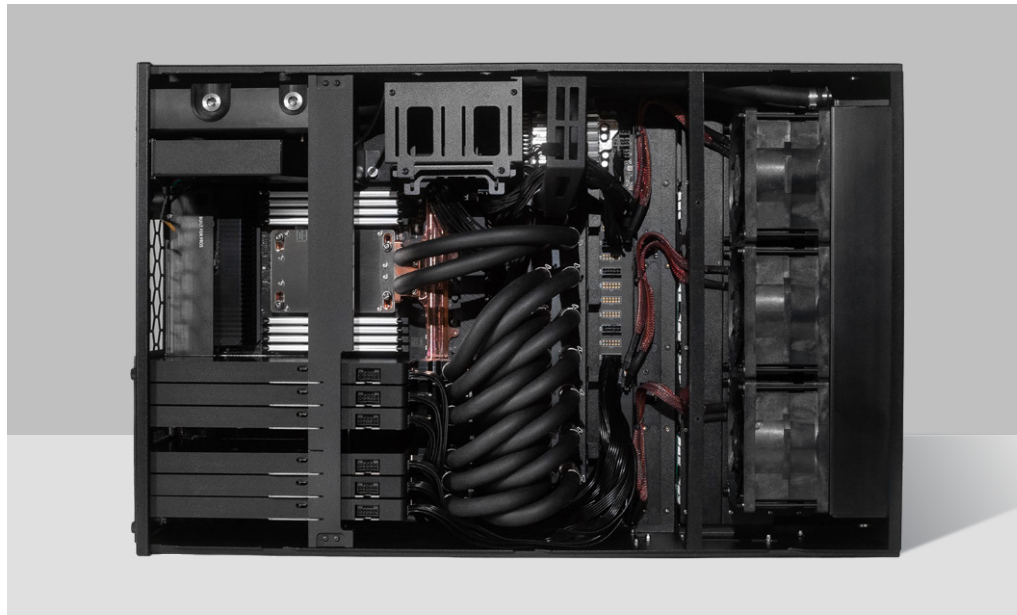
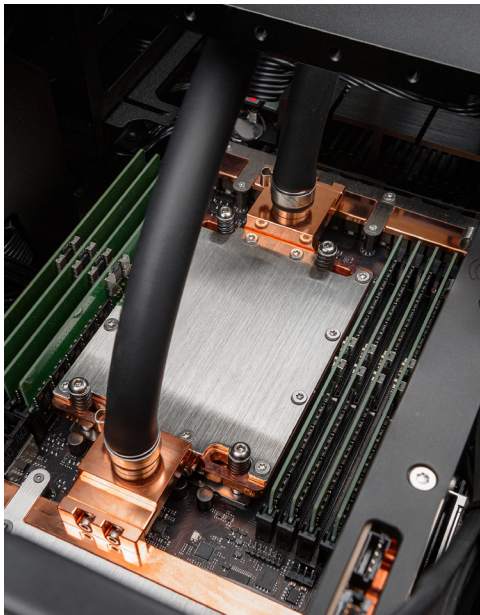


Easy configurable, maintainable  
& scalable bleeding edge  
hardware!



Engineered for Reliable High Performance  
24/7 operation in harsh environments  
up to 38°C / 100°F







## LIQUID COOLED

Comino liquid cooling system unleashes the full performance potential of modern top-tier GPUs and CPUs, allows to prolong lifespan of the hardware and ensures 24/7 operation even in harsh environment with no thermal throttling.

## QUICK-DISCONNECT COUPLINGS

Quick Disconnect Couplings (Comino TheQ) on each GPU and CPU allows to simplicate maintaining and reduce maintenance time to increase system availability.

## REMOTE MANAGEMENT

Our servers come equipped with an IPMI interface for seamless remote management.

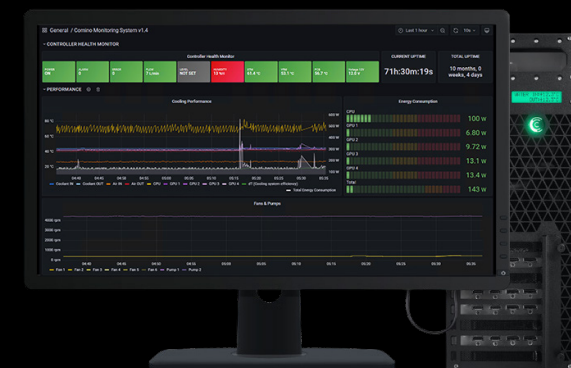
Enjoy features like remote KVM access, OS installation, and comprehensive server monitoring. Ensure peak performance and minimal downtime anytime, anywhere.

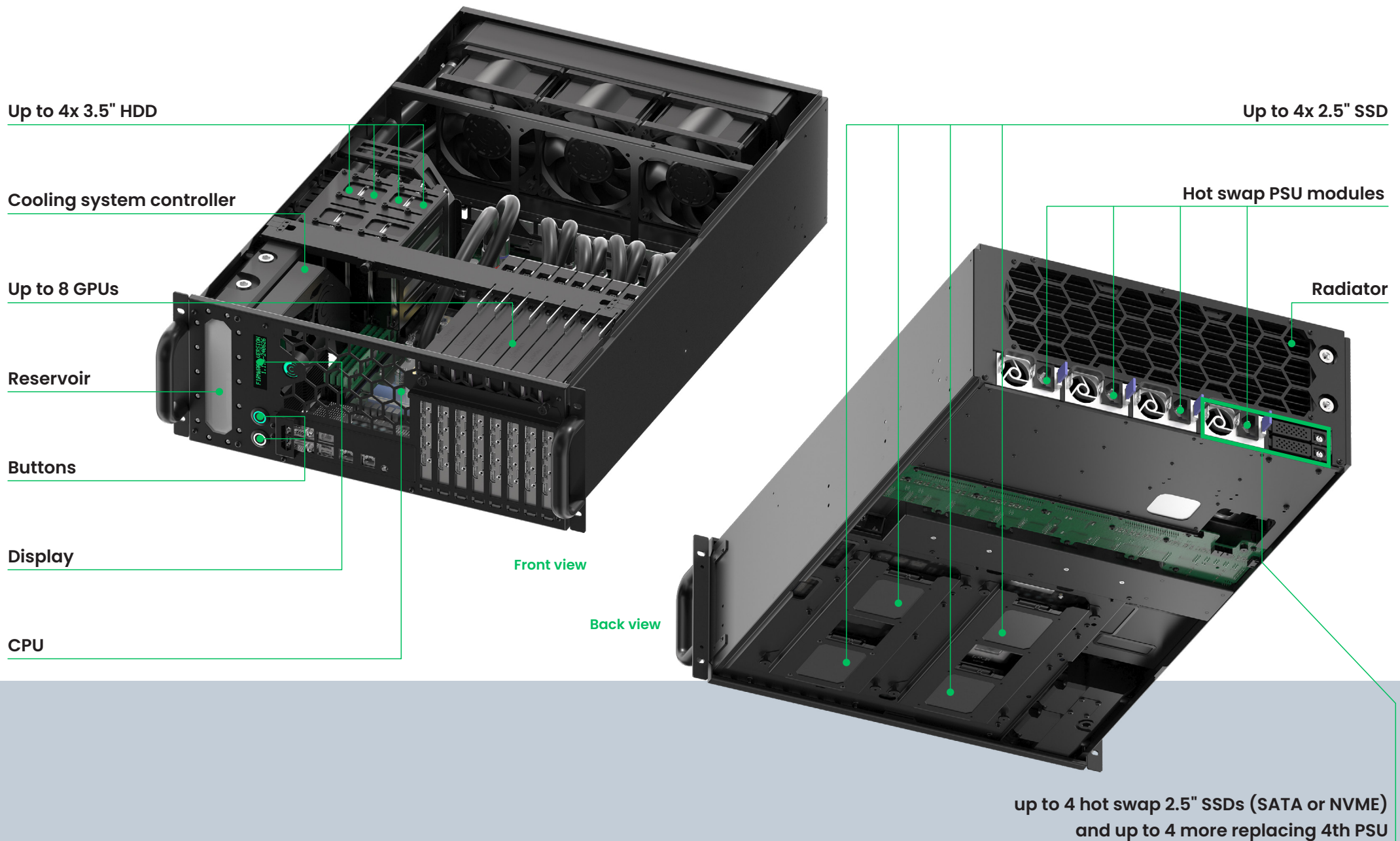
## Up to 8x NVIDIA Blackwell Generation GPUs

in 5-FT/X configurations. Suitable GPUs for acceleration in forensic tasks.

## HOT SWAP REDUNDANT POWER SUPPLY (CRPS)

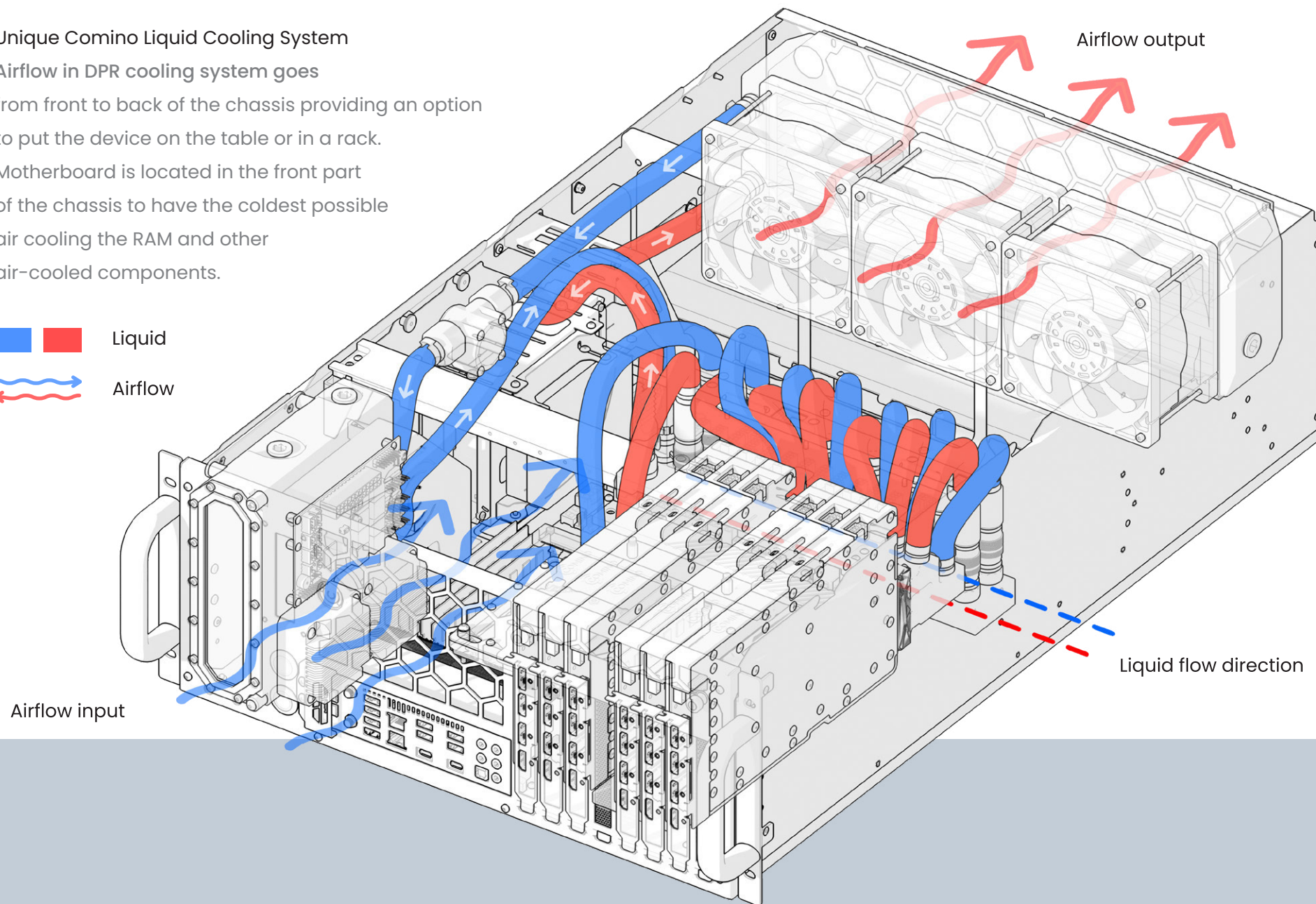
Designed for use in critical IT infrastructure. It provides reliable power for your system without limitation. PSU work at whole spectrum voltage 100-240VAC and 240VDC and provide N+M redundancy.





## Unique Comino Liquid Cooling System

Airflow in DPR cooling system goes from front to back of the chassis providing an option to put the device on the table or in a rack. Motherboard is located in the front part of the chassis to have the coldest possible air cooling the RAM and other air-cooled components.





|                       | DPR 5-FT/4                                                                             | DPR 5-FT/6 | DPR 5-FT/8 |
|-----------------------|----------------------------------------------------------------------------------------|------------|------------|
| GPU                   | 4x                                                                                     | 6x         | 8x         |
|                       | NVIDIA Blackwell Generation GPUs<br>CUDA cores: not less than 21,760                   |            |            |
| CPU                   | AMD EPYC™: 32 Cores / 64 Threads                                                       |            |            |
| Motherboard           | Dedicated Remote Management Port IPMI2.0<br>with iKVM and vMedia support<br>VGA output |            |            |
| RAM                   | 256 GB DDR5 ECC                                                                        |            |            |
| Storage               | NVMe Gen4 SSD 2TB                                                                      |            |            |
| Power Supply          | Hot Swap Redundant Power Supply System<br>up to 4x 1000/2000W @ 110/220V               |            |            |
| Max Power Consumption | 3800 W                                                                                 | 5000 W     | 6200 W     |
| Operation system      | Linux / Windows 10 Pro                                                                 |            |            |
| Liquid Cooling        | Fullcover water blocks for GPUs & CPU                                                  |            |            |
| Dimensions            | 439 x 681 x 177mm (without handles and protruding parts)                               |            |            |

|                               | DPR 5-FT/4                                                                                                                                                                          | DPR 5-FT/6                      | DPR 5-FT/8                      |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|
| Installation                  | 19" 4U rack-mountable or standalone as a Desktop                                                                                                                                    |                                 |                                 |
| Weight                        | 49kg (net),<br>66kg (gross) ±5%                                                                                                                                                     | 52kg (net),<br>69kg (gross) ±5% | 55kg (net),<br>72kg (gross) ±5% |
| Network                       | 2x RJ45 10 GbE ports                                                                                                                                                                |                                 |                                 |
| Rack AC Power Recommendations | 208 - 240 AC power source with 4x C19 or C13 power sockets                                                                                                                          |                                 |                                 |
|                               | 20A @ 208/240V<br>Power Line                                                                                                                                                        | 25A @ 208/240V<br>Power Line    | 32A @ 208/240V<br>Power Line    |
| Amount of Heat                | 13 000 BTU per Hour                                                                                                                                                                 | 17 100 BTU per Hour             | 21 200 BTU per Hour             |
| Airflow Rate                  | 400 CFM / 680 m³/h                                                                                                                                                                  |                                 |                                 |
| Storage temperature range     | -5..50°C / 23..122°F                                                                                                                                                                |                                 |                                 |
| Operating temperature range   | 10..35 °C / 50..95 °F                                                                                                                                                               | 10..30 °C / 50..86 °F           | 10..25 °C / 50..77 °F           |
| Packaging Content             | 19-inch telescopic rail kit, desktop legs kit, 3 years maintenance<br>coolant kit, additional screws kit, USB flash drive with BIOS,<br>cables, quick start guide, product passport |                                 |                                 |

Passware Forensic Kit 2025V2

| File type                      | DPR 5-FT/4                      | DPR 5-FT/6                      | DPR 5-FT/8                      |
|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| MS Office 2013+                | 357,964.5<br>PASSWORDS/SECOND   | 536,946.8<br>PASSWORDS/SECOND   | 714,500.0<br>PASSWORDS/SECOND   |
| RAR 5.x                        | 1,398,140.7<br>PASSWORDS/SECOND | 2,097,211.1<br>PASSWORDS/SECOND | 2,790,700.0<br>PASSWORDS/SECOND |
| APFS (encrypted)               | 791,580.0<br>PASSWORDS/SECOND   | 1,187,370.0<br>PASSWORDS/SECOND | 1,580,000.0<br>PASSWORDS/SECOND |
| Apple iTunes Backup / iOS 10.X | 4,559.1<br>PASSWORDS/SECOND     | 6,838.7<br>PASSWORDS/SECOND     | 9,100.0<br>PASSWORDS/SECOND     |
| MS Windows / BitLocker         | 52,003.8<br>PASSWORDS/SECOND    | 78,005.7<br>PASSWORDS/SECOND    | 103,800.0<br>PASSWORDS/SECOND   |
| Blockchain Wallet version 3    | 4,594,671.0<br>PASSWORDS/SECOND | 6,892,006.5<br>PASSWORDS/SECOND | 9,171,000.0<br>PASSWORDS/SECOND |
| Cryptocurrency Wallet          | 127,404.3<br>PASSWORDS/SECOND   | 191,106.5<br>PASSWORDS/SECOND   | 254,300.0<br>PASSWORDS/SECOND   |

Hashcat 6.2.6

| File type                         | DPR 5-FT/4    | DPR 5-FT/6    | DPR 5-FT/8    |
|-----------------------------------|---------------|---------------|---------------|
| 0 MD5                             | 863.4 GH/S    | 1,295.1 GH/S  | 1,723.3 GH/S  |
| 100 SHA1                          | 279.7 GH/S    | 419.5 GH/S    | 558.2 GH/S    |
| 1700 SHA2-512                     | 39,867.1 MH/S | 59,800.6 MH/S | 79,575 MH/S   |
| 6211 TrueCrypt RipeMD160 + XTS512 | 10,628.8 KH/S | 15,943.2 KH/S | 21,215.2 KH/S |
| 7100 MacOS v.10.8+                | 17,010.3 KH/S | 25,515.4 KH/S | 33,952.6 KH/S |
| 11300 Bitcoin/Litecoin wallet.dat | 184.5 KH/S    | 276.7 KH/S    | 368.2 KH/S    |
| 11600 7-ZIP                       | 12,581.1 KH/S | 18,871.7 KH/S | 25,112 KH/S   |



For more product information visit:

[www.comino.com](http://www.comino.com)

[www.grando.ai](http://www.grando.ai)

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