Accelero Hybrid

Air & Liquid Combined Cooling Solution for AMD / NVIDIA Graphics Cards

Main Features

- The lightest high-end graphics card cooler - 363g only
- Superior cooling performance - 320 Watts
- Efficient RAM and VR cooling with Active Cooling Unit and thermal adhesive
- Maintenance-free closed-loop liquid system
- Virtually silent operation with PWM control for all fans

2 Year Limited Warranty

Carbon Neutral
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Accelero Hybrid

Air & Liquid Combined Cooling Solution for AMD / NVIDIA Graphics Cards

Accelero Hybrid is the first graphics card cooler in the market to integrate both air and liquid cooling technologies, making it 2X cooler and 9X quieter compared to the stock cooler. Unlike most VGA Liquid Cooling Solutions (LCS) in the market which are designed for a specific graphics card, it is compatible with a wide range of NVIDIA and AMD graphics cards. The **Accelero Hybrid** is the first one to integrate an active cooling fan to cool RAM and VR heatsinks to optimize overall temperature. Maintenance-free and easy to install, computer enthusiasts and gamers will find this innovative graphics card cooler “not-to-be-missed”.

Specifications (Graphics Card Module)	
Max. Cooling Capacity	320 Watts
Fan	80 mm, 900 – 2,000 RPM (Controlled by PWM)
Bearing	Fluid Dynamic Bearing
Air Flow	13.1 CFM / 22.3 m^3/h
Noise Level	0.3 Sone
Current / Voltage	RAM & VR Cooling Fan: 0.13A / 12V Pump: 0.26A / 12V
Power Consumption	RAM & VR Cooling Fan: 1.56W Pump: 3.12W
Cold Plate Material	Copper
Dimensions	243 (L) x 112 (W) x 44.2 (H) mm
Net Weight	363 g

Specifications (Heat Exchanger Module)	
Fan	120 mm, 400 - 1,350 RPM (Controlled by PWM)
Bearing	Fluid Dynamic Bearing
Type	Aluminum 1.0"
Air Flow	74 CFM / 125.7 m^3/h
Noise Level	0.3 Sone (F12 PWM Fan Only)
Current / Voltage	F12 PWM Fan: 0.22A / 12V
Power Consumption	F12 PWM Fan: 2.64W
Tube Length	416 mm
Dimensions	150 (L) x 120 (W) x 52.8 (H) mm
Net Weight	503 g

Cooling Performance on NVIDIA GeForce GTX 680

Accelero Hybrid (at 2,000 RPM)

44 °C

Stock cooler (at 2,000 RPM)

69.9°C

◀◀◀ Better

Ambient temperature: 25 °C

Noise Level on NVIDIA GeForce GTX 680

Accelero Hybrid (at 2,000 RPM + water pump)

0.4 Sone

Stock cooler (at 2,000 RPM)

3.7 Sone

◀◀◀ Better

RAM and VR Cooling Performance with Thermal Adhesive

Thermal Adhesive (included)

0.86 °C/W

Generic Thermal Taps (thickness: 0.15 mm)

2.56 °C/W

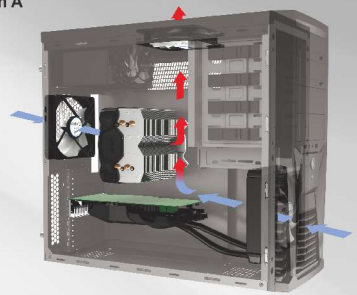
◀◀◀ Better

Ambient temperature: 25 °C

Tested with Accelero L2 PRO at 2,000 RPM

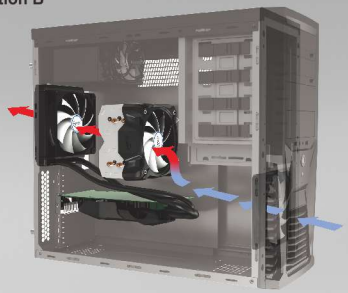
4 Flexible Airflow Directions

Option A



Lowest GPU and CPU temperature, may slightly affect PC Case ambient temperature.

Option B



Lowers PC Case ambient temperature, slightly affects GPU temperature negatively, may support CPU cooling.

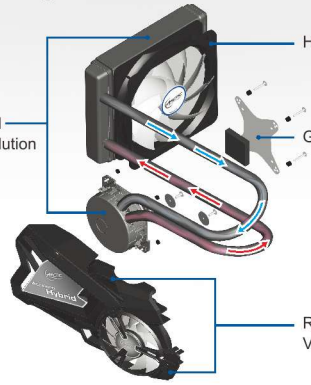
Option C

Lowest GPU temperature, may slightly affect CPU cooling.

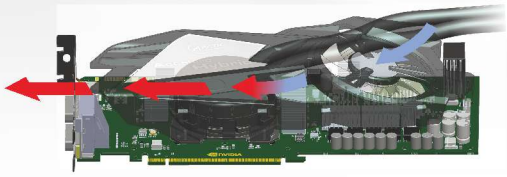
Option D

Lowest CPU temperature, slightly affects GPU temperature negatively.

Structural Diagram



Airflow Direction on RAM and VR



Compatibility
AMD Radeon: HD 7870, 7850, 6970, 6950, 6870, 6850, 6790, 6770, 5870, 5850, 5830, 4890, 4870, 4850
NVIDIA GeForce: GTX 680, 670, 660 Ti, 580, 570, 560Ti, 560 SE, 560, 550Ti, 480, 470, 465, 460 SE, 460, GTS 450

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