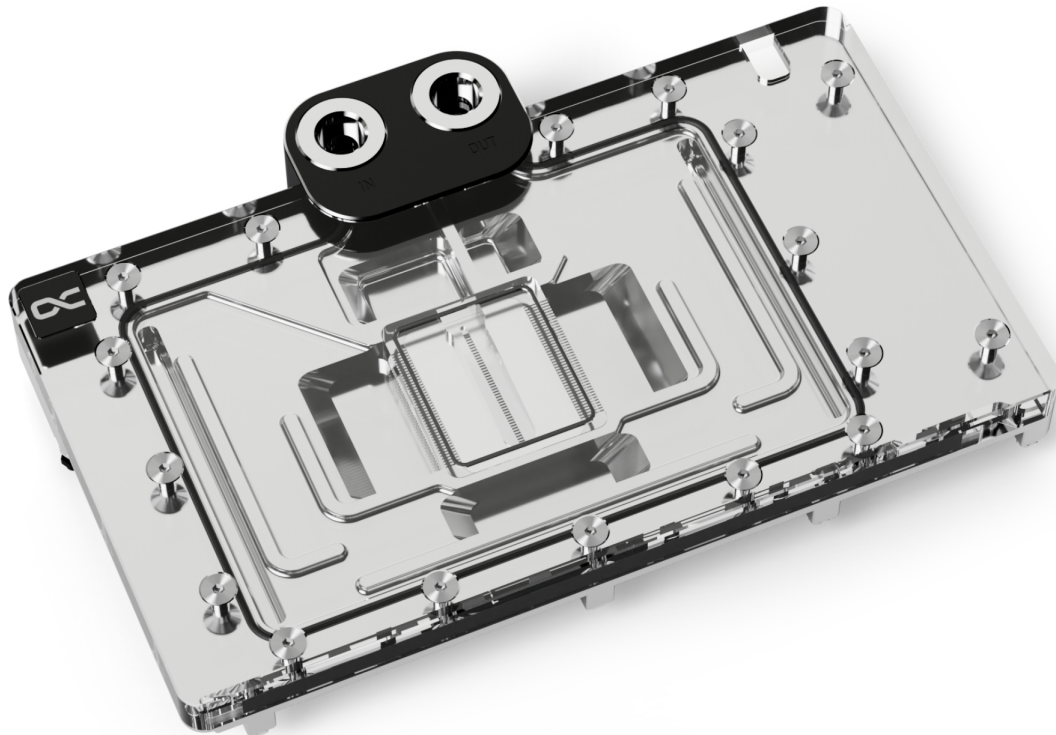


Alphacool Core Geforce RTX 4090 GameRock + Phantom with Backplate

Alphacool article number: 13474

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Quick Info

Alphacool's Core product series is characterized by high quality, outstanding performance and the uniform and functional design language.

- Optimised fin structure enables very good water flow & increase of cooling surface
- Modified jet plate ensures optimal distribution of the water on the cooling fins
- Visually calm & simple design with digital aRGB illumination
- Chrome-plated copper cooler

Compatibility

- Gainward GeForce RTX 4090 Phantom GS, 24GB GDDR6X (3413)
- Gainward GeForce RTX 4090 Phantom, 24GB GDDR6X (3390)
- Palit GeForce RTX 4090 GameRock OC, 24GB GDDR6X (NED4090S19SB-1020G)
- Palit GeForce RTX 4090 GameRock, 24GB GDDR6X (NED4090019SB-1020G)

Scope of delivery

| | |
|--|----------------------|
| 1x Core Geforce RTX 4090 GameRock + Phantom Cooler | 4x M2x5mm Screw |
| 1x Backplate | 2x 51x8x3mm Pad |
| 2x 51x15x1mm Pad | 4x 100x8x3mm Pad |
| 4x 8x8x1mm Pad | 1x 15x15x3mm Pad |
| 1x 15x15x1mm Pad | 1x 40x8x3mm Pad |
| 1x 38x15x1mm Pad | 1x 45x45x3mm GPU-Pad |
| 1x 100x8x1mm Pad | 1x PCI Bracket |
| 1x 105x8x1mm Pad | 9x M2x10mm Screw |
| 1x Thermal Grease | 1x ARGB Adapter |
| 1x Putty tool | 1x Plug tool |
| 1x Screwdriver | 2x G1/4 Plug |
| 4x EVA Washer | |

Technical data cooler

| | |
|-----------------------------------|---------------------------|
| Dimensions (L x W x H) | 217,91 x 146,99 x 32,12mm |
| Material cooler | chrome-plated copper |
| Material cooler top | acrylic |
| Max working temperature | 60°C |
| Pressure tested | 0,8 bar |
| Threads | 4 x G1/4" |
| Thickness cooler bottom | 11,3mm |
| Thickness cooling fins | 0,4mm |
| Distance cooling fins | 0,4mm |
| Illumination | digital aRGB LEDs |
| Power connector digital aRGB LEDs | 3-Pin JST |
| Power digital aRGB LEDs | 5V |
| Number of digital aRGB LEDs | 11 |
| Color | transparent |

Technical data backplate

| | |
|------------------------|-----------------------|
| Dimensions (L x W x H) | 217,91 x 123,69 x 5mm |
| Material | aluminium |
| Color | black |

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| | |
|------------------|---|
| Manual | 13474_Alphacool_Core_Geforce_RTX_4090_GameRock__Phantom_with_Backplate_Manual.pdf |
| Product pictures | 13474_Alphacool_Core_Geforce_RTX_4090_GameRock__Phantom_with_Backplate_pics.zip |

Packaging dimensions per unit

| | |
|-----------|-------------------|
| L x W x H | 330 x 200 x 50 mm |
| Weight | 1500 g |

Other data

| | |
|--------------|---------------|
| Certificates | CE, FC, RoHS |
| EAN | 4250197134743 |
| Customs code | 84195080900 |
| Guarantee | 3 years |

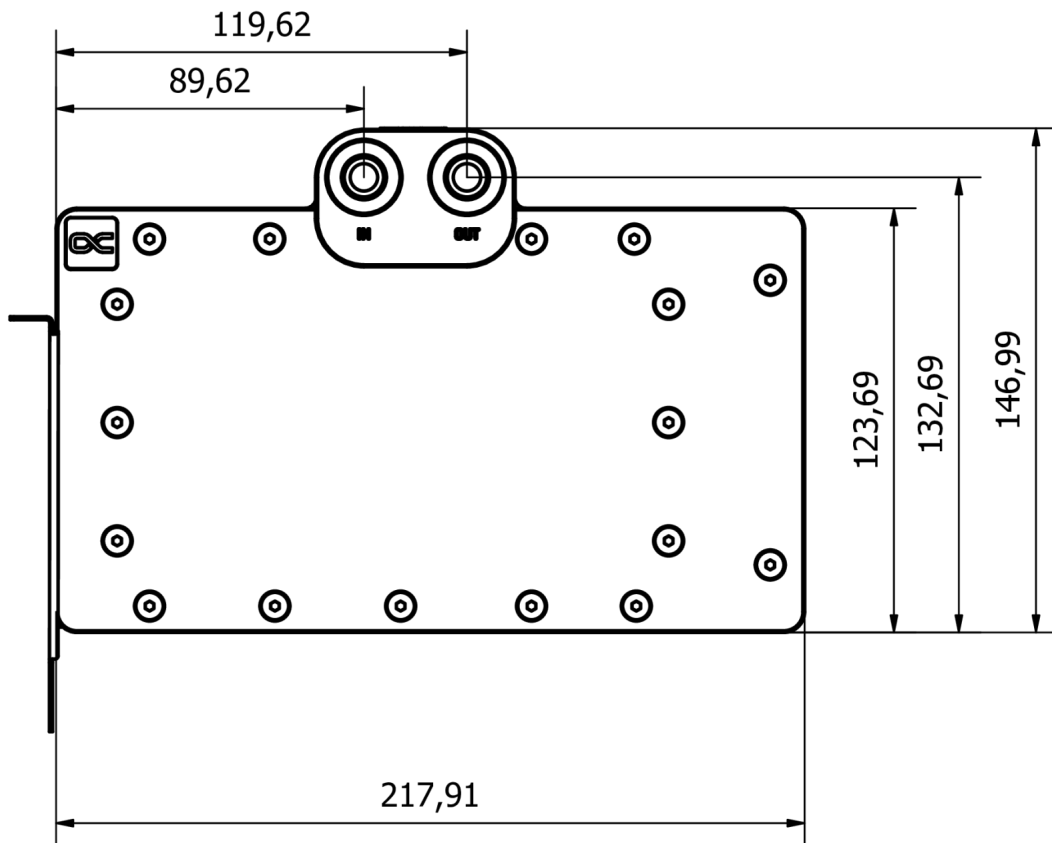
Article text

Alphacool's Core product series is characterized by high quality, outstanding performance and the uniform and functional design language.

The copper cooler which, like the end terminal, is milled from a single piece of copper and is the core of this cooler. The fine workmanship, paired with the hard and resistant chrome plating covering the entire copper cooler, meet the highest quality standards. The chrome-plated brass G1/4" threads integrated on both sides stand out visually from the terminal. They are a central feature of the new design language that will be evident in all products in the Core series.

The aluminum backplate adapted to the design, together with the terminal, makes up the entire unit and enhances the back of the cooler with a clean and homogeneous look. The lighting consists of digitally addressable RGB LEDs, which illuminate the entire cooler evenly and effectively.

The technical advancements can be seen in the water supply to the jet plate as well as in the optimization of the jet plate itself. The jet plate has been completely redesigned based on many simulations and practical tests in cooperation with board partners. The fin thickness and spacing have been enhanced, the cooling surface has been increased and the water flow to the core components with the greatest heat output has been optimized. The enclosed special soft thermal pads with up to 7 W/mK adapt perfectly to even the smallest tolerances.



General tolerance: $\pm 0,25$ mm
Dimension in millimeter