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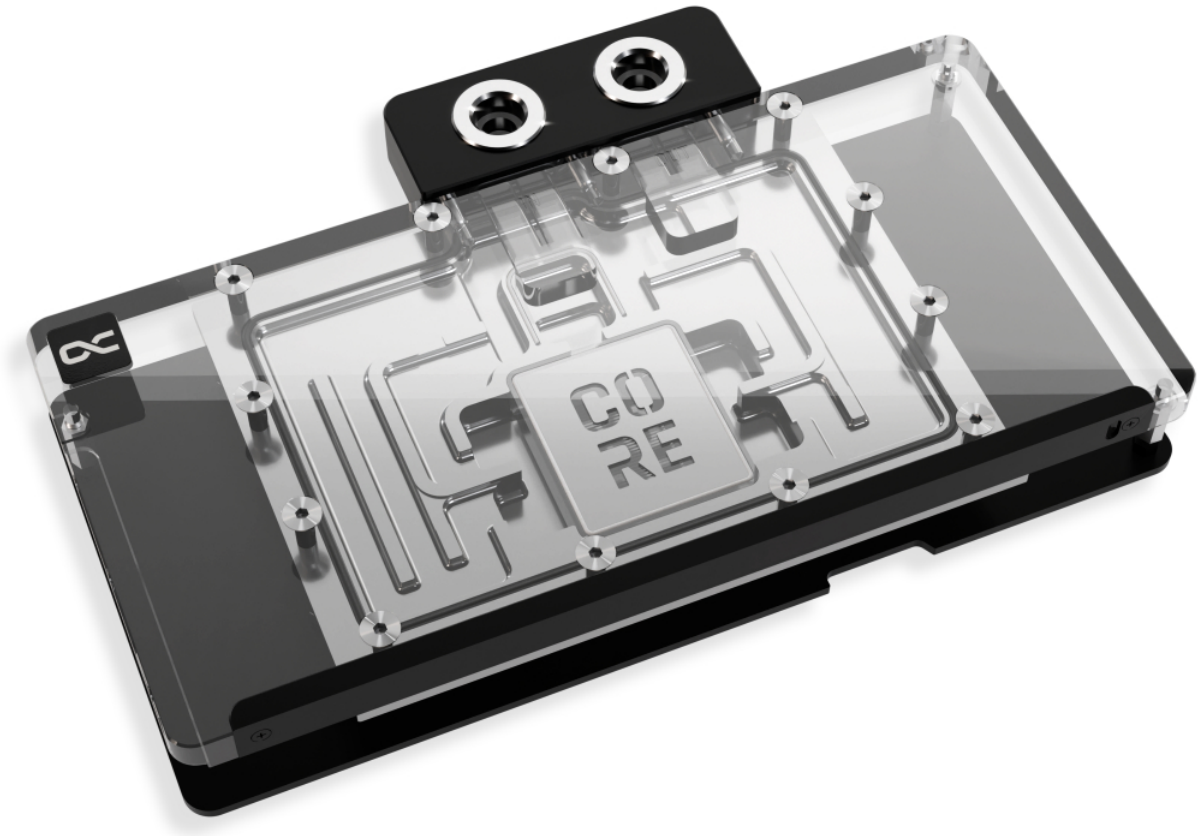
Alphacool Core RX 9070 XT Nitro+ with Backplate

Alphacool article number: 14778



Quick Info

Alphacool introduces its new series of graphics card water coolers for the latest AMD Radeon RX generation. Part of the Core product series, these coolers combine the highest quality with exceptional performance. Thanks to an optimized technical design, these GPU coolers deliver outstanding cooling performance.

- Optimized water flow through software and practical measurements
- Massive brass threads for secure fastening
- Superior chrome plating instead of nickel plating on the copper cooler
- Core design for maximum quality and feel

Compatibility

- Sapphire NITRO+ AMD Radeon™ RX 9070 GPU
- Sapphire NITRO+ AMD Radeon™ RX 9070 XT GPU

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Scope of delivery

1x Core RX 9070 XT Nitro+ cooler
1x Backplate
3x 40x15x1mm Pad
1x 66x8x1mm Pad
1x 76x8x1mm Pad
2x 8x8x1mm Pad
3x 40x8x3mm Pad
1x 45x45x3mm Pad
1x 20x8x3mm Pad
1x Thermal Grease
1x Putty tool
1x ARGB Adapter
1x Plug tool
1x Screwdriver
2x G1/4" Plug
11x M2x10mm screws
1x PCI-Bracket
1x M3x4mm screw
1x Washer

Technical data cooler

Dimensions total (L x W x H)	222,20 x 137,97 x 33,52mm
Material cooler	chrome-plated copper
Material cooler top	Acrylic
Material terminal	Nylon
Material Connection thread	Brass
Max working temperature	60°C
Pressure tested	0,8 bar
Threads	4 x G1/4"
Thickness cooler bottom	3,25mm
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	10
Color	transparent

Technical data backplate

Dimensions (L x W x H)	222,20 x 109,40 x 6,00mm
Thickness backplate without spacers	3mm
Material	Aluminium

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Manual	14778_Alphacool_Core_RX_9070_XT_Nitro_with_Backplate_Manual.pdf
Product pictures	14778_Alphacool_Core_RX_9070_XT_Nitro_with_Backplate_pics.zip

Packaging dimensions per unit

L x W x H	340 x 205 x 60 mm
Weight	1180 g

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Other data

Certificates	CE, FC, RoHS
EAN	4250197147781
Customs code	84195080900
Guarantee	3 years

Article text

Alphacool introduces its new series of graphics card water coolers for the latest AMD Radeon RX generation. Part of the Core product series, these coolers combine the highest quality with exceptional performance. Thanks to an optimized technical design, these GPU coolers deliver outstanding cooling performance.

At the heart of the cooler is a copper block, precisely milled from a single piece and complemented by a precisely crafted brass terminal with a nylon cover. A chrome finish enhances the copper cooler's durability and provides a smoother, more radiant surface than traditional nickel plating.

The visual design of the GPU water cooler has been slightly modified. A new highlight is the Core emblem placed above the jetplate, which emphasizes its affiliation with the Core series and visually enhances the design. The series continues to feature high-quality brass connectors that ensure optimal quality and safety. The specially adapted aluminum backplate covers the entire backside of the copper cooler, ensuring a clear and uniform appearance. The acrylic, combined with aRGB lighting, allows for even and impressive illumination of the entire cooler.

The GPU water cooler has been completely overhauled technically. To optimize cooling performance, the distances between the cooler and the components of the PCB were redefined and tested. The water flow was simulated using the most advanced software and verified through practical tests. These extensive tests allowed for improvements to the cooler base and jetplate, ensuring the best possible cooling performance for the new AMD Radeon RX generation.

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