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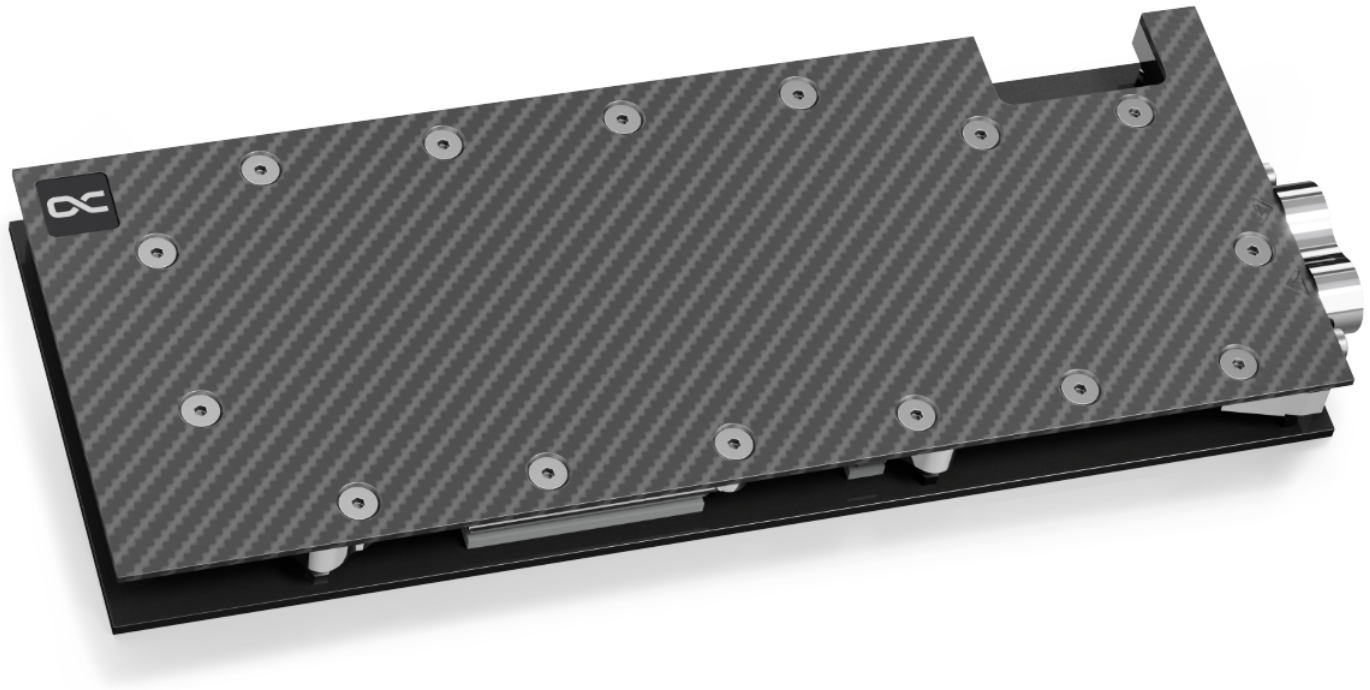
Alphacool ES GPX-A Radeon RX 6800/XT/6900 Reference Copper/Carbon with Backplate

Alphacool article number: 13077



Quick Info

The Alphacool ES GPX Copper/Carbon water cooler with backplate was developed for the Alphacool Enterprise Series. Due to the positioning of the connections, the hosing of the cooler in the server rack is significantly simplified. The top of the cooler is made of carbon. This makes the water cooler lighter compared to Alphacool's Eisblocks with acetal or acrylic tops. Thanks to the compact design, only 1 slot is needed to mount the cooler in the server rack instead of 1.5 slots as before. This additional space saving is one more argument for using the ES GPX Copper/Carbon graphics card water cooler.

- Fullcover water cooler
- Nickel-plated copper radiator bottom
- Noble material mix of carbon & copper

Compatibility

- AMD Radeon 6800 Reference Design
- AMD Radeon 6800 XT Reference Design
- AMD Radeon 6900 XT Reference Design
- AMD Radeon 6950 XT Reference Design

Scope of delivery

3x 8x8x1mm thermal pad (7 W/mk)
1x 8x66x1mm thermal pad (7 W/mk)
2x 15x51x1mm thermal pad (7 W/mk)
2x 15x15x1mm thermal pad (7 W/mk)
1x 8x84x1mm thermal pad (7 W/mk)
1x 8x74x3mm thermal pad (3 W/mk)
2x 15x51x3mm thermal pad (3 W/mk)
2x 30x30x3mm thermal pad (3 W/mk)
2x 15x15x3mm thermal pad (3 W/mk)
1x 8x84x3mm thermal pad (3 W/mk)
6x M2x5 screws
6x M2x5 washers
1x Thermal grease (Subzero 16 W/mk)
7x M2x11 screws
1x backplate

Technical data cooler

L x W x H	267,63 x 104,8 x 22,35mm
Material cooler	Nickle-plated copper
Material cooler top	carbon
Threads	2 x G1/4"
Thickness cooling fins	0,6mm
Maximum working temperature	60 °C
Pressure tested	0,8 Bar

Technical data backplate

L x W x H	267,63 x 104,8 x 6mm
Material	aluminium
Color	black

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Manual	13077_Alphacool_ES_GPX-A_Radeon_RX_6800-XT-6900_Reference_Copper-Carbon_with_Backplate_Manual.pdf
Product pictures	13077_Alphacool_ES_GPX-A_Radeon_RX_6800-XT-6900_Reference_Copper-Carbon_with_Backplate_pics.zip

Packaging dimensions per unit

L x W x H	355 x 173 x 45 mm
Weight	1310 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197130776
Customs code	84195080900

Article text

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More performance!

Alphacool manages to position the cooler as close as possible to the components to be cooled. For this purpose, the heat conducting pads used are reduced to a thickness of 1mm. The maximum possible reduction in the thickness of the copper block and the optimization of the water flow inside the cooler allow all important components such as GPU, voltage converters and VRAMs to be cooled by water much better and more effectively. All of this provides a significant increase in cooling performance.

Connections on the back?

In order to save space in the width and height during installation, the water input and output have been moved to the back of the cooling block. This positioning of the connections makes hosing much easier. It enables easy integration of the GPU cooler into the water circuit even in the tightest server housings.

Copper or aluminum?

Alphacool uses only copper for all water-bearing parts. Copper has almost twice the thermal conductivity of aluminum and is therefore clearly the better choice of material for water cooling. The nickel-plated copper base is highly resistant to acid, which means that chipping of the nickel plating can be ruled out.

Thermal paste & thermal pads

The included thermal paste is Alphacool's Subzero with a thermal conductivity of 16 W/mk. The electrically non-conductive thermal paste is particularly well suited for high contact pressures, but can still be perfectly applied due to its viscosity of 850000 TF. For the thermal pads, Alphacool uses soft pads that fit perfectly to the components to be cooled and are very durable. The 2mm and 3mm thick pads have a thermal conductivity of 3 W/mk. The 1mm thick pads can dissipate 7 W/mk of heat.

Discreet appearance

The matte carbon finish gives the cooler a noble appearance. This makes it additionally interesting for private users who want to do without aRGB lighting.

Drawing