

**Assembly instructions**  
**HEATKILLER® GPU-X<sup>3</sup>**  
**GTX465/470 and GTX480**



The unique design of the HEATKILLER® GPU-X<sup>3</sup> guarantees outstanding performance. A cooling performance in the range of current high-end CPU coolers, a flat design as well as top quality materials distinguish the new GPU-X<sup>3</sup> series.

The bottom plate consists of pure copper. The cooling structure of the GPU is extremely fine-tuned and offers a higher performance than most CPU coolers. The thin base ensures even more performance.

	<b>HEATKILLER® GPU-X<sup>3</sup>GTX 465/470</b>	<b>HEATKILLER® GPU-X<sup>3</sup>GTX 480</b>
Dimensions (LxBxH)	161,0 x 117,0 x 11,5mm	172,0 x 117,0 x 11,5mm
Weight	800g	850g
Material (bottom/cover)	CU / VA	CU / VA
Connections	G ¼ Zoll	G ¼ Zoll
Temperature-resistant up to	80°C	80°C
Compatible with	Nvidia GeForce GTX465/470	Nvidia GeForce GTX480

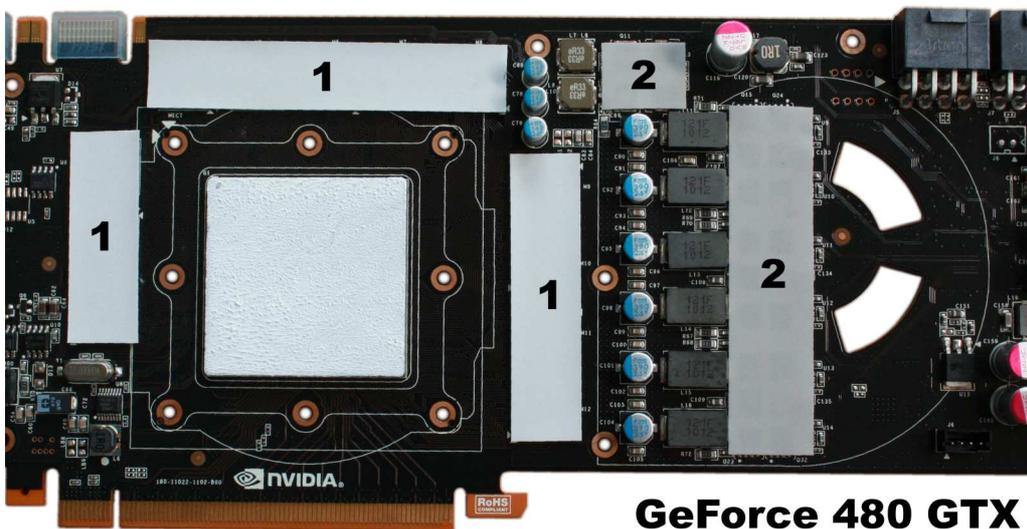
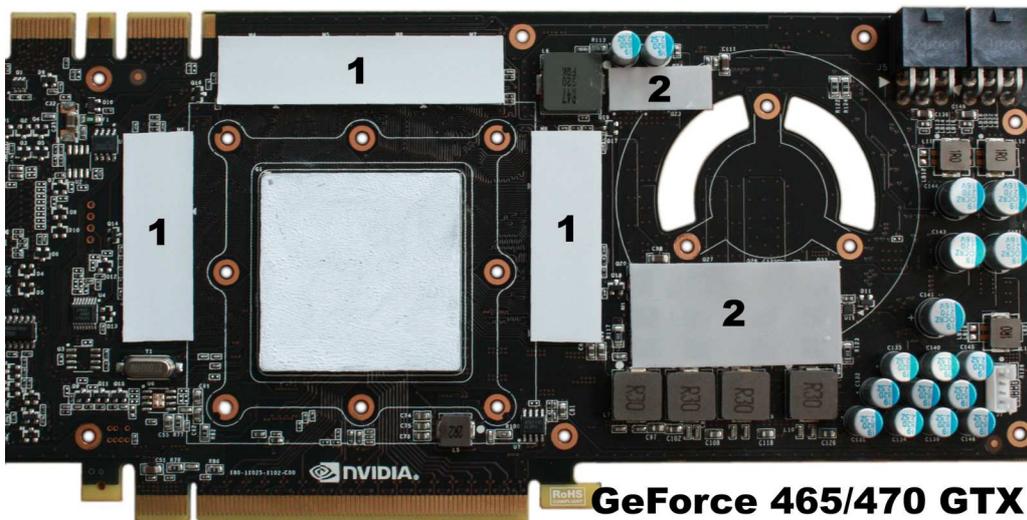
**Note:** You will find coloured assembly instructions in Pdf format in the service area of our homepage. ([www.watercool.de](http://www.watercool.de))

**Attention:** The Watercool company assumes no liability for any damages caused to hardware. If uncertain hire a specialist to carry out the modification, or use our modification service. By disassembling the original cooler you may cause the manufacturer's warranty to become void, if uncertain contact the manufacturer of the Graphic card.

**Preparation of the Graphic card**

Remove the original heatsink and all remnants of the thermal pads.

Place the pre-cut pads on the graphics card as illustrated. Normally, both sides of the pads are covered with a protective film which must be removed before the installation.



Make sure to place the pads on the right components.

No.1 – thermal pad 0,25mm height (color blue)

No.2 – thermal pad 1,00mm height (color light blue)

Instead of the thermal pads, you can use a non-conductive thermal compound on the RAM components, which slightly increases the cooling capacity in this area.

Apply the thermal compound to the GPU area evenly.

### *Assembly of the cooler*

Put the cooler onto the prepared graphics card and then turn the components around. The cooler is delivered with 8x M3x8mm plastic screws and washers.

Screw the screws – with washers – into the cooler beginning with the GPU area.

Do not tighten the screws yet!

In case of the GPU-X<sup>3</sup> GTX480, place the backplate included in delivery on the graphics card and loosely screw it to the cooler (without washers).

Once all screws are attached to the cooler, screw them tight beginning with the GPU area. Make sure to tighten the screws crosswise.



### *Installation and leak test*

After the installation, a check and test run must be performed! The coolers are constructed on the reference design, still, all sections of the board have to be checked for possible contact to the cooler. In addition, the contact of the GPU to the cooler must be checked along with the bending of the board. A slight bending of the board is normal.

A leak test should preferably be performed outside of the computer. If this is not possible, the hardware may not be turned on during the test run!

Once all of the cooler elements were tested, the computer can be put into operation. Check the temperature of the GPU immediately after the start!

### *General information*

The HEATKILLER® GPU-X<sup>3</sup> GTX465/470 and GTX480 does not have a defined input and output. The cooling medium can stream in or out on both sides.

Under normal circumstances it is not necessary to open the cooler. If you still want to do so, please use a corresponding tool for Allen screws in industrial quality.

We recommend using demineralised or deionised water (distilled water) as cooling medium. To prevent the build-up of algae, use common citric acid, which reliably prevents the spread of algae.

The cooler is fully SLI compatible. To set up a dual or triple SLI system, we offer special dual and triple links which allow you to easily connect the coolers.

**HEATKILLER® are products by**

**WATERCOOL®**  
quality cooling equipment

Please send your criticism, praise or suggestions to the following address:

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