

Installation instructions
HEATKILLER® GPU-X² 4870X2 LT



The unique design of the HEATKILLER® GPU-X² 4870X2 LT guarantees outstanding performance. Cooling performances in the range of current high-end CPU coolers, a modular design as well as top quality materials distinguish the new GPU-X² LT series. The base plate consists of copper, the top part of POM. 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.

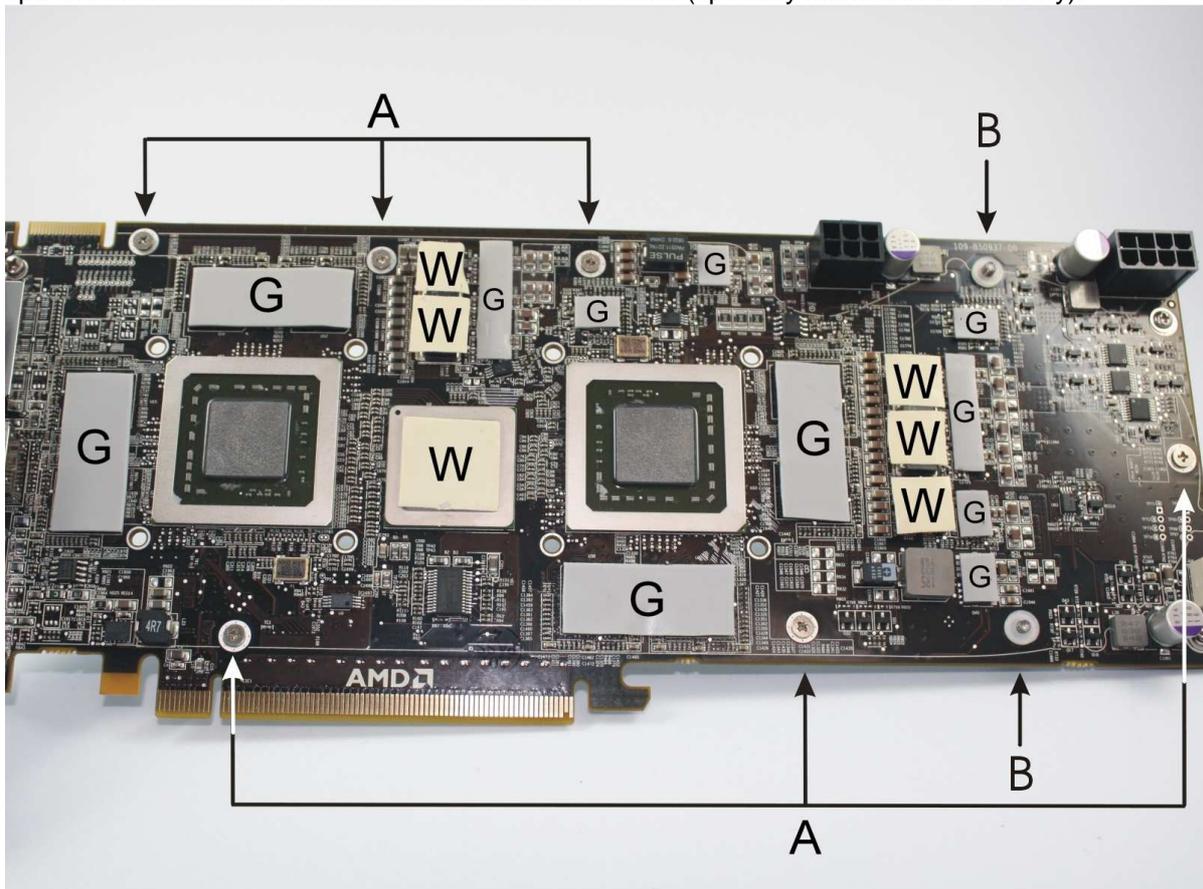
Dimensions (LxWxH):	206.0 x 116.0 x 17.5mm
Weight	700g
Material (base/cover)	CU / POM
Material (inlay)	Stainless steel
Connections	G ¼ inch
Temperature-resistant up to	80°
Compatible with	ATI RADEON HD 4870X2

Notice: A coloured installation manual in PDF format is available in the service section of our homepage at www.watercool.de

Attention: Conversion at your own risk. Non-observance of the installation instructions may damage the graphic board. Watercool will assume no liability for damage to the hardware. In case of uncertainties, please engage an expert for the conversion or use our conversion service. Dismantling the original cooler may lead to the loss of the manufacturer's warranty. In case of uncertainty, please contact the manufacturer of the graphic board.

Preparation of the graphic card (with back plate installation)

Remove the original CPU cooler as well as all remnants of the heat conductor pad. The countersunk screws (M2, 5x8) used to fix the original cooler are still required for installation of the new cooler. Once the old cooler was removed, insert six countersunk screws (marked with **A** in the illustration) from the top through the board and fix them into place with the provided M 2.5 nuts. The screws marked with **B** (M3x8) are inserted in the board from the bottom. Then insert two M3 1.4m washers as spacers on the screws between the board and the cooler (specially marked in the delivery).



The borings of the back plate have a dimension of approx. 2.9mm. The M3 screws marked with **B** can thus be screwed in slightly stiff into the back plate. Extending the borings in the back plate to 3mm is possible in this position, but not necessary.

Two types of pads are enclosed with the cooler. The grey pads are affixed to the spots marked with **G**, the whitish pads to the spots marked with **W**. The heat conducting pads have a foil on both sides, which must be removed prior to installation. Heat-conductive paste must be applied on both graphics processors.

Installation of the cooler

The cooler is placed on the prepared graphics board. Then turn the board around together with the cooler. All enclosed screws are now screwed in manually in the cooler together with the enclosed washers.

Then slightly tighten the eight screws evenly (crosswise) around the CPU. You must tighten all attachment elements with utmost care! Excess tightening may destroy the component beneath! The two screws in the range of the voltage transformer may only be tightened *slightly*!

Installation and leak test

After the installation, a check and test run must be performed! The heat sinks are constructed in line with 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-X² 4870X2 LT has no defined input or output. The cooler can be perfused in both directions.

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

HEATKILLER® CPU coolers are manufactured by Watercool e.K.

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

Watercool e.K
Warendorfer Strasse 20
D-17192 Waren

www.watercool.de

Tel.: (+0049) 03991-187601

Fax: (+0049) 03991-187602

E-mail: info@watercool.de