

## Aquacomputer WACP-472

# Aquacomputer Cuplex Kryos Next with Vision 1700 CPU Water Block User Manual

Model: WACP-472

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Aquacomputer Cuplex Kryos Next with Vision 1700 CPU water block. This high-performance water block is designed for Intel LGA 1700 processors, offering efficient cooling and integrated monitoring capabilities through its Vision display.

Please read this manual thoroughly before proceeding with installation to ensure proper function and to prevent damage to your components.

## 2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or performing maintenance on any components.
- Water cooling systems involve liquids. Exercise extreme caution to prevent leaks. Test your loop for leaks thoroughly before powering on your system.
- Use only approved coolants for water cooling systems. Do not use tap water.
- Handle the water block and other components with care to avoid physical damage.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- Aquacomputer Cuplex Kryos Next with Vision 1700 CPU Water Block
- Mounting hardware for Intel LGA 1700 socket
- Thermal paste
- Backplate
- Hex key / Allen wrench

- Spreader tool (for thermal paste)
- Documentation (this manual)



Image 3.1: Included mounting hardware, thermal paste, and tools for the Aquacomputer Cuplex Kryos Next water block.

## 4. SETUP AND INSTALLATION

### 4.1 Pre-Installation

1. Ensure your motherboard is compatible with the Intel LGA 1700 socket.
2. Clean the CPU surface thoroughly with isopropyl alcohol to remove any dust or residue.
3. Familiarize yourself with your motherboard's CPU socket area and the water block's mounting mechanism.

### 4.2 Mounting the Water Block

1. **Install Backplate:** Position the LGA 1700 backplate on the rear of your motherboard, aligning the holes with the CPU socket mounting holes.
2. **Apply Thermal Paste:** Apply a small amount of thermal paste (pea-sized dot or thin line) to the center of your CPU's integrated heat spreader (IHS). Use the provided spreader tool if necessary to create a thin, even layer.
3. **Position Water Block:** Carefully place the Aquacomputer Cuplex Kryos Next water block onto the CPU, ensuring the mounting holes on the water block align with the backplate and motherboard. Avoid sliding the block once it makes contact with the thermal paste.
4. **Secure Water Block:** Use the provided mounting screws and springs. Tighten the screws in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) gradually until snug. Do not overtighten.



Image 4.1: The Aquacomputer Cuplex Kryos Next with Vision 1700 water block, showing its integrated display and mounting bracket.

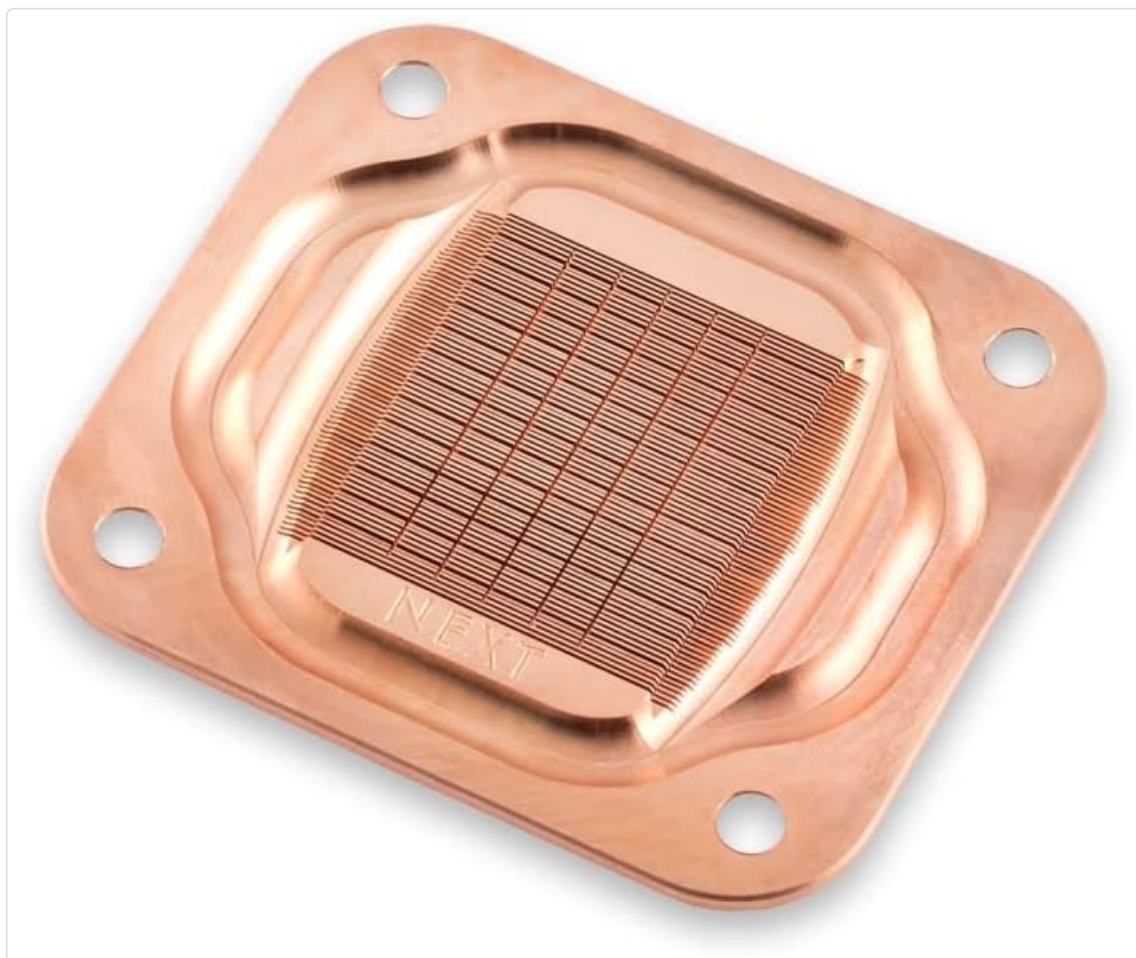


Image 4.2: The copper cold plate of the Aquacomputer Cuplex Kryos Next, featuring a dense array of micro-fins for optimal heat transfer.

## 4.3 Connecting to the Cooling Loop

1. **Install Fittings:** Screw your chosen G1/4" fittings into the inlet and outlet ports of the water block. Ensure they are hand-tightened securely.
2. **Connect Tubing:** Attach your tubing to the fittings, ensuring a secure and leak-free connection.
3. **Integrate into Loop:** Connect the water block into your custom water cooling loop. The flow direction typically does not significantly impact performance for this type of block, but consult your pump and radiator manuals for optimal flow paths.

## 4.4 Electrical Connections

1. **Vision Display:** Connect the included USB cable from the water block to an available internal USB header on your motherboard. This powers the Vision display and allows for data communication with Aquacomputer software.
2. **Optional Fan/Pump Control:** If your water block includes additional fan or pump control features, connect the relevant cables to your motherboard's fan headers or a dedicated fan controller as per your system's requirements.

## 5. OPERATING THE VISION DISPLAY

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The integrated Vision display provides real-time monitoring of critical system parameters, typically CPU temperature. Once your system is powered on and the USB connection is established, the display will activate.

- **Default Display:** The display typically shows the current coolant or CPU temperature.
- **Software Control:** For advanced configuration, such as changing displayed values, adjusting brightness, or updating firmware, download and install the Aquacomputer Aquasuite software from the official Aquacomputer website.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your water cooling system.

### 6.1 Coolant Replacement

- It is recommended to replace your coolant every 6-12 months, depending on the coolant type and system usage.
- Drain the old coolant completely from your loop.
- Flush the system with distilled water or a dedicated flushing agent.
- Refill the loop with fresh, high-quality coolant.

### 6.2 Cleaning the Water Block

- If performance degrades or visible buildup occurs, the water block may need cleaning.
- Carefully disassemble the water block (refer to Aquacomputer's official guides if unsure).
- Clean the micro-fins and channels with a soft brush and distilled water. Avoid abrasive materials.
- Rinse thoroughly and ensure all components are dry before reassembly.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
High CPU Temperatures	Insufficient thermal paste, poor mounting pressure, air bubble in loop, clogged fins.	Reapply thermal paste, re-mount water block, bleed air from loop, clean water block.
Vision Display Not Working	USB cable disconnected, driver issue, software conflict.	Check USB connection, reinstall Aquasuite software, update motherboard USB drivers.
Visible Leaks	Loose fittings, damaged O-rings, cracked tubing.	Immediately power off system. Tighten fittings, inspect and replace O-rings/tubing.

## 8. SPECIFICATIONS

<b>Product Name:</b>	Aquacomputer Cuplex Kryos Next with Vision 1700
<b>Model Number:</b>	WACP-472 (21856)
<b>Compatibility:</b>	Intel LGA 1700 Socket
<b>Material:</b>	Acetal top, Copper cold plate
<b>Dimensions:</b>	3.94 x 1.97 x 0.5 inches
<b>Item Weight:</b>	0.434 ounces
<b>Connectivity:</b>	G1/4" threads for fittings, Internal USB header for Vision display
<b>Manufacturer:</b>	Aquacomputer

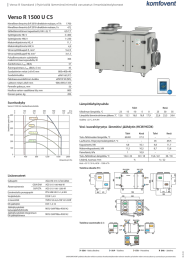

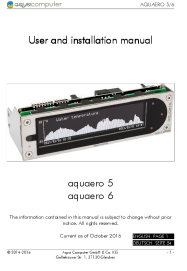
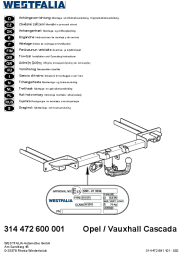
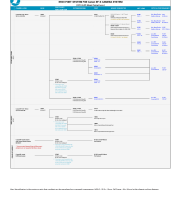
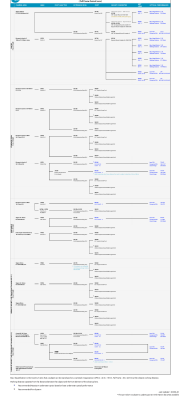
## 9. WARRANTY

Aquacomputer products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the official Aquacomputer website or contact their customer support. Keep your proof of purchase for warranty claims.

## 10. SUPPORT

For technical assistance, troubleshooting beyond this manual, or further product information, please visit the official Aquacomputer website or contact their customer support department. Online resources, FAQs, and forums may also be available.

**Website:** [www.aquacomputer.de](http://www.aquacomputer.de) (Example link, actual link may vary)

	<p><a href="#">Komfovent Verso R 1500 U C5 Ilmankäsittelykone Tekniset Tiedot</a></p> <p>Komfovent Verso R 1500 U C5 pyörivällä lämmönsiirtimellä varustetun ilmankäsittelykoneen tekniset tiedot, suorituskyydata ja mitat.</p>
	<p><a href="#">Corbett Bezel Lighting Fixture Installation Guide   Hudson Valley Lighting Group</a></p> <p>Detailed installation instructions and safety precautions for the Corbett Bezel lighting fixture (models 472-03, 472-05) from Hudson Valley Lighting Group.</p>
	<p><a href="#">Aqua Computer AQUAERO 5/6 User and Installation Manual: Comprehensive Guide</a></p> <p>Detailed user and installation manual for the Aqua Computer AQUAERO 5/6 series, covering setup, configuration, aquasuite software, and advanced PC cooling control.</p>
	<p><a href="#">WESTFALIA Anhängervorrichtung Montage- und Betriebsanleitung für Opel/Vauxhall Cascada</a></p> <p>Umfassende Montage- und Betriebsanleitung für die WESTFALIA Anhängervorrichtung (Modell 314 472 600 001) für den Opel/Vauxhall Cascada. Diese Anleitung bietet wesentliche Informationen für die fachgerechte Montage und Nutzung.</p>
	<p><a href="#">N100 Port System for Canon RF-S Cameras</a></p> <p>A comprehensive guide to the N100 Port System for Canon RF-S and EF-Mount format lenses, detailing camera lenses, gears, port adaptors, extension rings, ports, mount converters, wet lenses, and optical performance specifications.</p>
	<p><a href="#">Nauticam N120 Port System for Panasonic Lumix S-Mount Camera System</a></p> <p>A comprehensive guide to the Nauticam N120 port system for Panasonic Lumix S-Mount full-frame cameras, detailing compatible lenses, port adaptors, extension rings, and underwater optics for optimal performance.</p>

