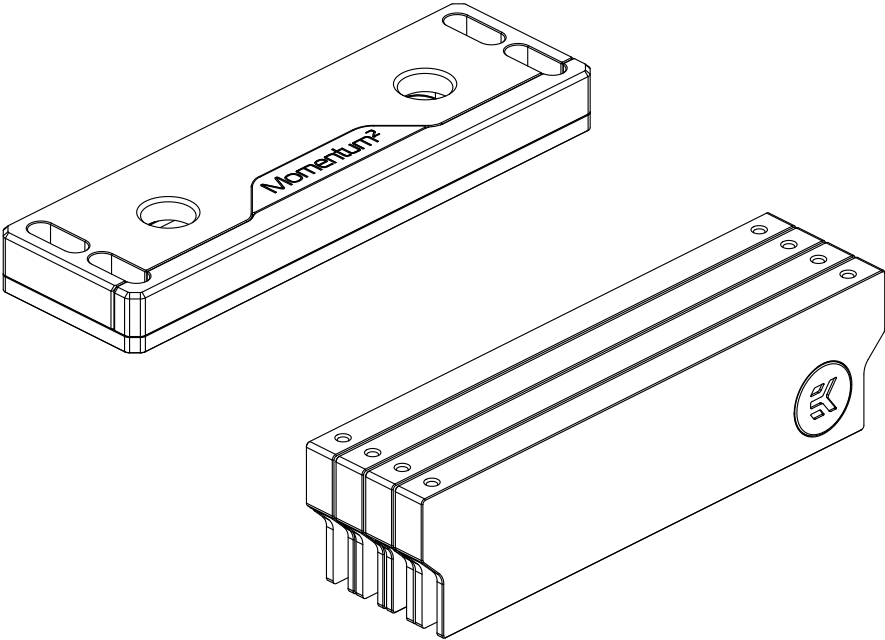


EK-Quantum Momentum² Quad RAM Module Set



This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, or their installation. The following instructions are subject to change without notice. Please visit our website at www.ekwb.com for updates. Before installation of this product, please read the important notice, disclosure, and warranty conditions that are printed on the back of the box.

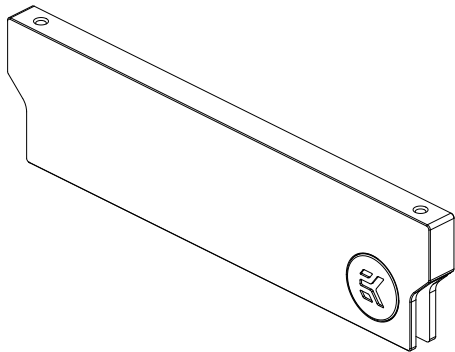
Before you start using this product, please follow these basic guidelines:

Please carefully read the manual before beginning the installation process.

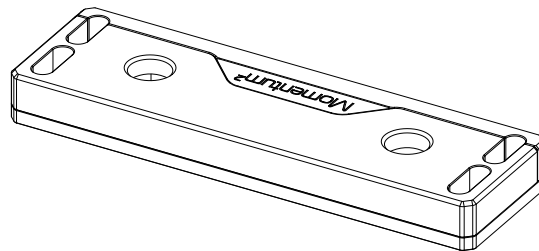
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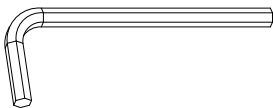
BOX CONTENTS



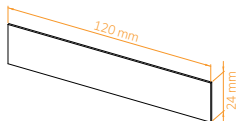
Memory module (4 pcs)



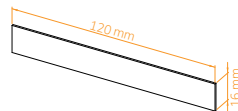
EK-Quantum Momentum² RAM WB (1 pc)



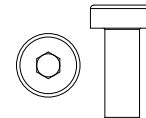
Allen Key 2 mm (1 pc)



Thermal Pad G 1.0 mm (8 pcs)
EAN: 3830046996770



Thermal Pad F 1.0 mm (2 pcs)
EAN: 3830046996732

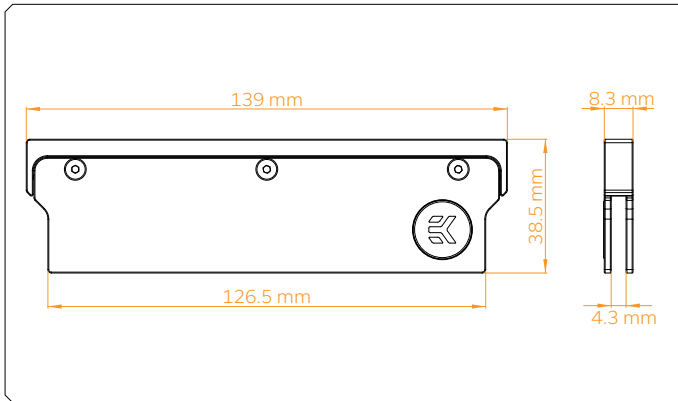


Screw M3 x 8 DIN7984 (8 pcs)
EAN: 9014

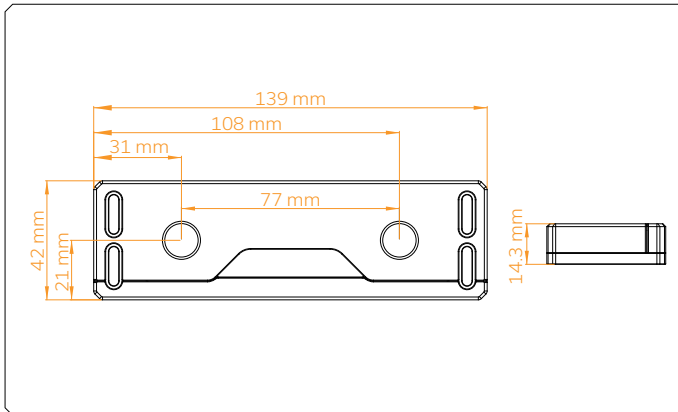
Mounting Mechanism 107280

PRODUCT DIMENSIONS

Memory module



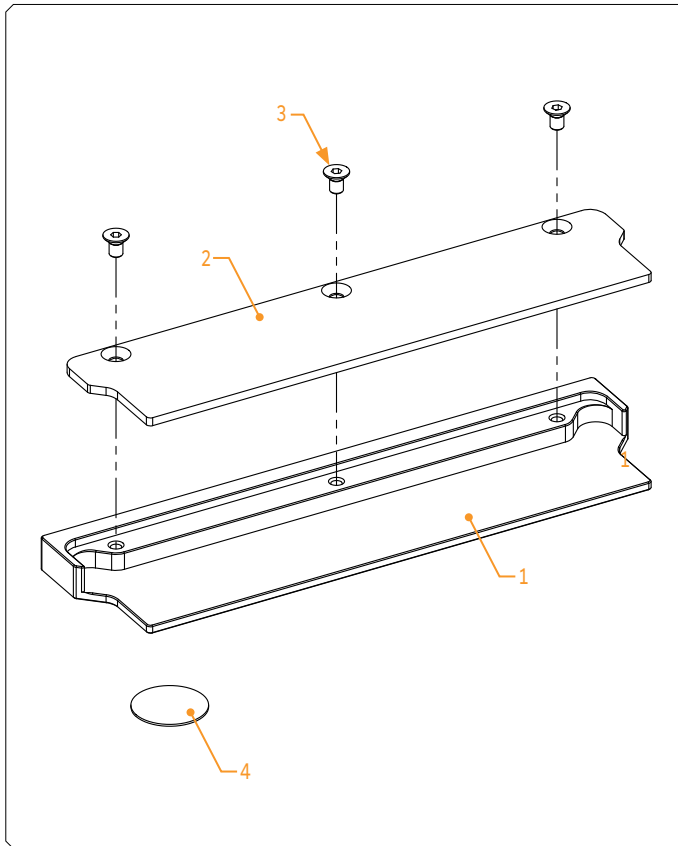
EK-Quantum Momentum² RAM WB



TECHNICAL SPECIFICATIONS AND PRODUCT PARTS

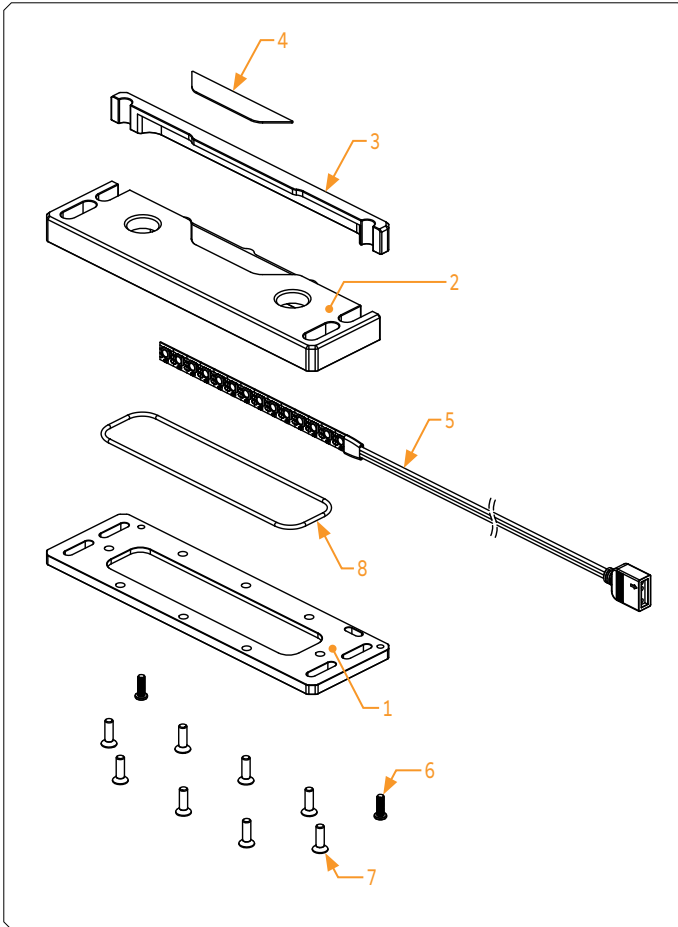
Memory module

Position	EAN	Description	Quantity
1.	107638	Top Cover (Black e.)	1
2.	107641	Side cover (Black e.)	1
3.	8211	Screw M3x5 DIN7991	3
4.	100663	EK - Badge	1

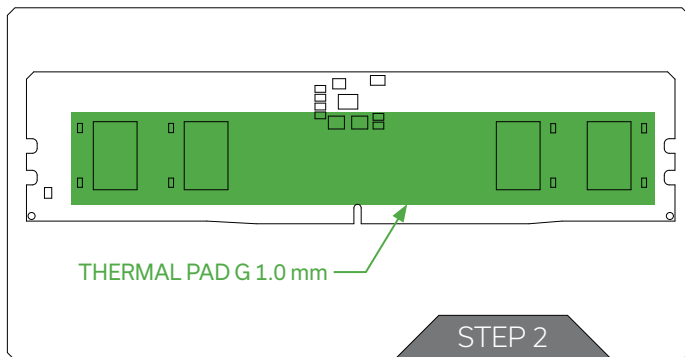


Ek-Quantum Momentum² RAM WB

Position	EAN	Description	Quantity
1.	107273	Coldplate (Ni)	1
2.	107275	Top plate (Plexi)	1
3.	107274	Top plate (Acetal)	1
4.	103952	Mylar sticker	1
5.	103154	LED D-RGB Strip	1
6.	8104A	Screw M2.5 x 8 mm AX1	2
7.	8201	Screw M3 x 10 7991DIN	8
8.	5103	OR 73 x 1.5 mm	1



PREPARING AND INSTALLING THE MEMORY MODULE



STEP 1

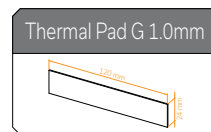
In case your Memory modules are equipped with heat spreaders by default it is mandatory to remove those before continuing the installation process. Because there is no prescribed standard on how the heat spreader should be attached to the memory module, many methods are used, the most common being self-adhesive tape between the heat spreader and memory IC.

Wipe off the remains (by using non-abrasive cloth or Q-tip) of the original thermal compound or adhesive tape until the components and circuit board are completely clean.

STEP 2

On BOTH sides of the Memory module, the provided Thermal Pads G 1.0 mm must be placed. If necessary, trim the Thermal Pad to fit the Memory module.

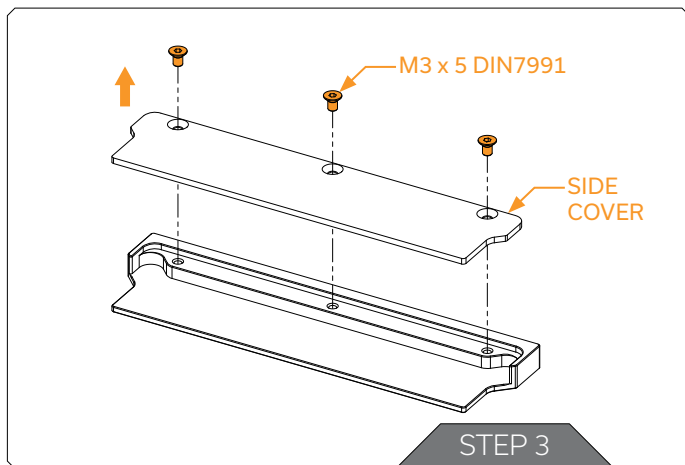
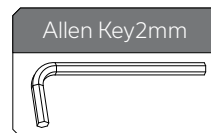
For this step, you will need:

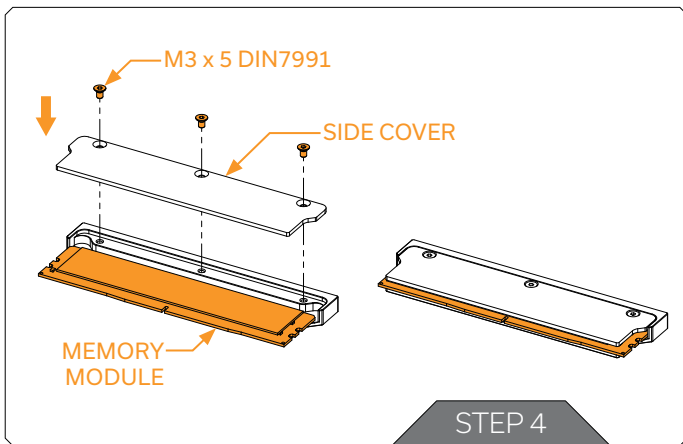


STEP 3

Using the provided 2 mm Allen Key, unscrew three M3 x 5 DIN7991 screws from the Memory module.

For this step, you will need:

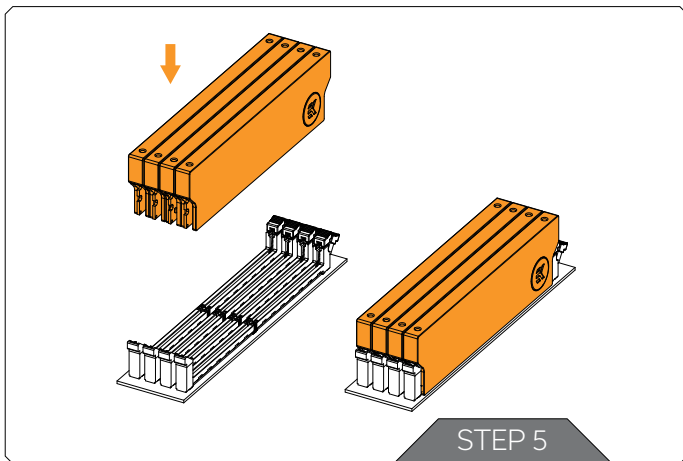
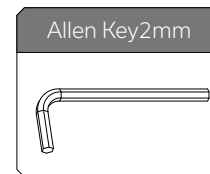
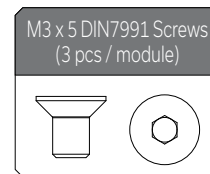
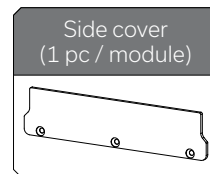




STEP 4

Insert the Memory module and secure it with previously removed side cover and screws. Do not use excessive force while securing the module. Repeat this process with the rest of the Memory modules.

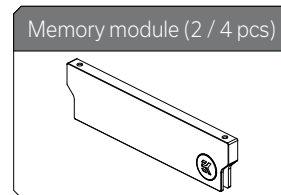
For this step, you will need:



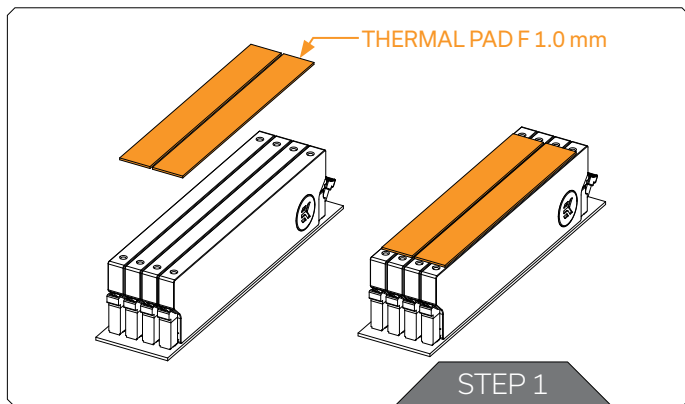
STEP 5

Install the Memory module into the motherboard. Make sure to lock the memory module into the motherboard.

For this step, you will need:



PREPARING AND INSTALLING THE EK-Quantum Momentum² RAM WB



STEP 1

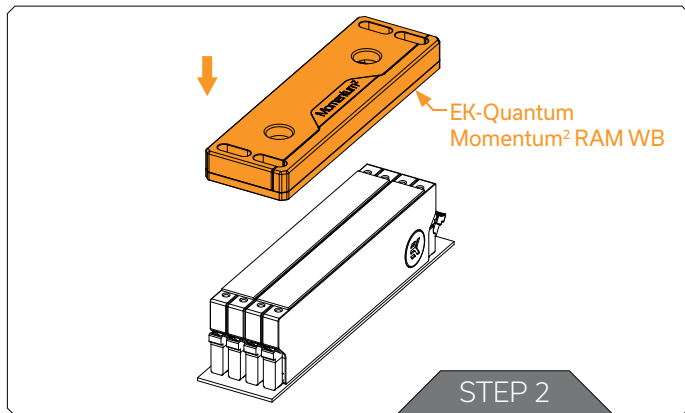
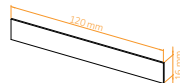
After securing Memory modules, position two (2) provided Thermal Pad F 1.0 mm on the shown places.



Remove the protective foil from both sides of the thermal pad before installation.

For this step, you will need:

Thermal Pad F 1.0mm
(120x16 mm) (2 pcs)



STEP 2

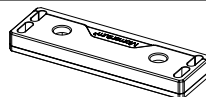
Carefully position the **EK-Quantum Momentum² RAM WB** over the Thermal Pads. During this process, make sure you have aligned the mounting holes of the Memory modules with the holes of the water block.

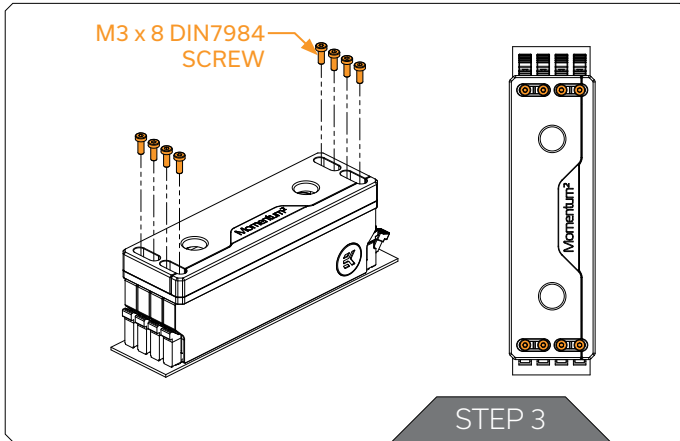


Before placing the Water Block, make sure all the Thermal Pads are placed correctly!

For this step, you will need:

EK-Quantum Momentum² RAM WB



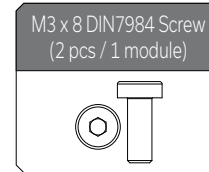
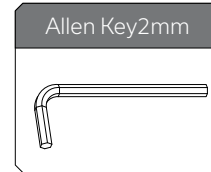


STEP 3

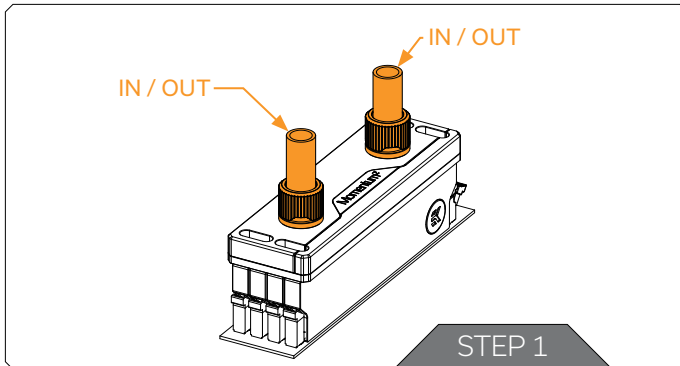
Secure the water block with the provided mounting screws M3 x 8 DIN7984. For each memory module, two (2) screws must be used.

Tighten the screws evenly using the Allen Key 2 mm.

For this step, you will need:



FITTINGS AND TUBING

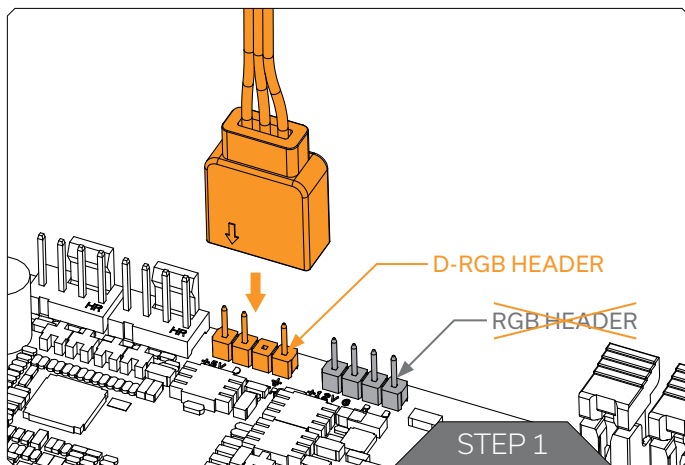


STEP 1

Tighten the fittings in a clockwise direction until the gasket underneath is compressed. The installation of the water block is now complete. **The IN/OUT port is not explicitly prescribed.**

EK recommends using EK fittings with all EK water blocks.

CONNECTING THE D-RGB LED STRIP



STEP 1

Plug the 3-pin D-RGB connector from the RAM water block into a D-RGB header on your motherboard or controller. The LED strip will only work if the pin layout on the header is as follows: +5V, Digital, Empty, Ground.



Incorrect installation or installation of the incorrect header could result in damage to the LED strip or the header itself.

TESTING THE LOOP

To make sure the installation of EK components was successful, we recommend you perform a leak test for 24 hours. When your loop is complete and filled with coolant, connect the pump to a PSU outside of your system. Do not connect power to any of the other components. Turn on the PSU and let the pump run continuously. It is normal for the coolant level to drop during this process as air collects in the distribution plate. Inspect all parts of the loop, and in the eventuality that coolant leaks, fix the issue and repeat the testing process. Ensure that all hardware is dry before the system is powered on in order to prevent any damage.

SUPPORT AND SERVICE


In case you need assistance or wish to order spare parts or a new mounting mechanism, please contact:


<https://www.ekwb.com/customer-support/>


For spare parts orders, refer to the page with "TECHNICAL SPECIFICATIONS AND PRODUCT PARTS" where you can find the EAN number of each part you might need.

Include the EAN number with quantity in your request. Mounting Mechanism EAN can be found under "BOX CONTENTS"

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