



## Alphacool Eisblock HDX-3

### What's this?

The Alphacool Eisblock HDX-3 water block offers the best cooling for your M.2 SSD. The included PCIe card, on which the water block is mounted, also provides your SSD with an outstanding bandwidth of up to 3900 MB/s.

### Highlights

1. No more throttling the SSD because of overheating
2. Easy installation in your cooling loop with G1/4" threads
3. Possible bandwidth of up to 3900 MB/s.
4. Water block provides optimal protection for your SSD

### Views:

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Montagebeispiel  
(example of installation)



Montagebeispiel  
(example of installation)

## Technical specifications

Technical Data	Eisblock HDX-3
Dimension (LxWxH)	120 x 81,5 x 20 mm
Material	Copper, Acetal
Threads	2x G1/4"
PCIe form factor	4x PCIe
Compatibility	M.2 2280 PCIe SSDs
Max. Bandwidth PCIe Card	3938 MB/s

## Other information

Product	Article No. Alphacool	Article No. Aquatuning	EAN Code	Dimension PU in mm	Weight in kg
Eisblock HDX-3	11435	1013796	4250197114356	168 x 108 x 26,5	0,61

## Mounting material/Scope of delivery

Scope of delivery	Eisblock HDX-3
Cooler	1x
Mounting material	Screws, Washers, Thermal pads
Hexagon socket screw key	1x
PCIe card (M.2 adapter)	1x
Slot cover	1x

## Downloads

Product	Pictures
Eisblock HDX-3	<a href="https://www.alphacool.com/download/1013796.zip">https://www.alphacool.com/download/1013796.zip</a>

## Article texts

### up to 50 words

With the Alphacool Eisblock HDX-3 water block for your M.2 SSD, you'll never have to deal with throttled performance due to overheating again. The included PCIe card, on which the cooler and SSD are mounted, provides the SSD with a bandwidth of up to 3900 MB/s.

### up to 125 words

The Alphacool Eisblock HDX-3 water block offers outstanding cooling for your M.2 SSD. This is especially necessary for continuous, substantial data transfer, because otherwise the high heat build-up causes the SSD's speed to be throttled to avoid damage. The water block is made of nickel-plated copper with a thick, sturdy acetal lid. It's the perfect protection for your SSD. The block comes with a 4x PCIe card on which the SSD is installed and the cooler is mounted. The 4x PCIe connection provides the SSD with a maximum bandwidth of 3900 MB/s. That's roughly 600% higher than the bandwidth you would have over a normal SATA connection with a 2.5" SSD. The G1/4" connection allows you to attach the water block to any water cooling loop without a problem.

### up to 250 words

The Alphacool Eisblock HDX-3 water block offers outstanding cooling for your M.2 SSD. Continuous, substantial data transfer dramatically lowers the performance of an M.2 SSD without cooling and can actually drop performance down to as little as 10% of its actual capability.

You can now actively counter this problem with the Eisblock HDX-3 water block.

The M.2 SSD is screwed onto a PCIe card and then mounted onto the water block. The water block itself is made of nickel-plated copper with a screwed-on acetal lid. Water in the block flows over the entire SSD and ensures optimal heat transfer away from the M.2 SSD. Using the G1/4" connectors, the water block can be attached to any standard water cooling loop.

The PCIe card is plugged into a 4xPCIe slot and screwed onto the case. With it, data can be transferred at speeds of up to 3900 MB/s. This is a much faster bandwidth than most SSDs can even use. That's a 600% improvement over conventional 2.5" SATA-SSDs, since the maximum bandwidth for those is 640 MB/s.

With the Alphacool Eisblock HDX-3, you can avoid all these problems and get the best performance from your M.2 SSD.

### up to 500 words

The Alphacool Eisblock HDX-3 water block offers outstanding cooling for your M.2 SSD. Continuous, substantial data transfer dramatically lowers the performance of an M.2 SSD without cooling and can actually drop performance down to as little as 10% of its actual capability. Transferring large amounts of data heats up the memory controller and chips until a safety mechanism kicks in and severely throttles the SSD's performance.

This can be countered by actively cooling the SSD. After developing the HDX M.2 water block for motherboards with M.2 slots and the passively-cooled HDX-2 PCIe water block, Alphacool has gone one step further with the Eisblock HDX-3 to offer a water cooling solution to this problem.

The M.2 SSD is screwed onto a PCIe card and then mounted onto the water block. The water block itself is made of nickel-plated copper with a screwed-on acetal lid. Water in the block flows over the entire SSD and ensures optimal heat transfer away from the M.2 SSD. Using the G1/4" connectors, the water block can be attached to any standard water cooling loop.

The PCIe card is plugged into a 4xPCIe slot and screwed onto the case. With it, data can be transferred at speeds of up to 3900 MB/s. This is a much faster bandwidth than most SSDs can even use. That's a 600% improvement over conventional 2.5" SATA-SSDs, since the maximum bandwidth for those is 640 MB/s.

Even compared to motherboard slots, the plug-in card combined with the water block still offers substantially higher transfer rates. M.2 SSDs on motherboards are often only plugged into a 2xPCIe slot, which halves the maximum data transfer rate. It is also difficult to properly cool an M.2 SSD on a motherboard, since the graphics card is generally mounted directly above or below it and tends to significantly heat up the surrounding area.

With the Alphacool Eisblock HDX-3, you can avoid all these problems and get the best performance from your M.2 SSD.