ALPHACOOL – THE COOLING COMPANY

Alphacool Eisblock HDX-5

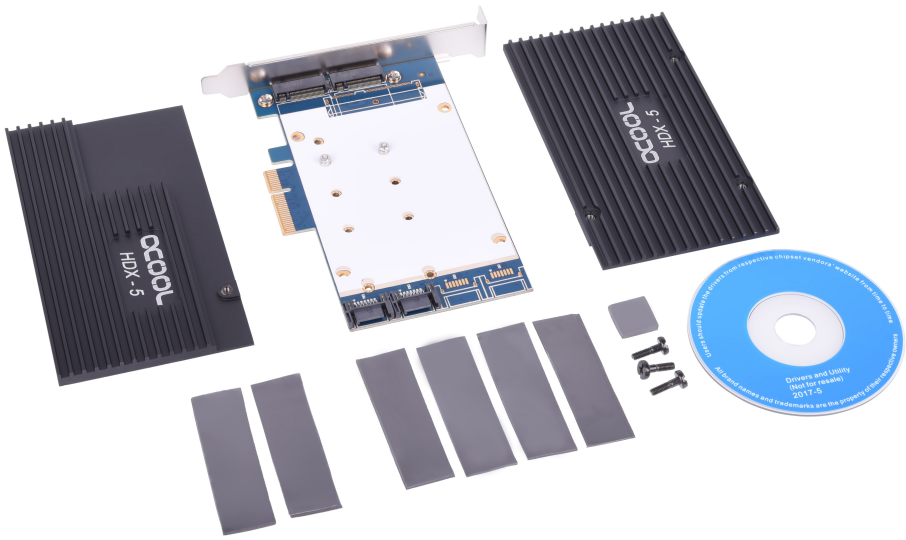
What's this?

The Alphacool HDX-5 is a combination of a RAID controller card and a massive cooler. It has two slots for SATA M.2 SSDs and two additional SATA slots, allowing you to set up a RAID 0 or 1 group. The 4x PCIe card also provides a bandwidth of up to 3900 MB/s.

Highlights

1. No more throttling of the SSD due to overheating
2. RAID 0 or 1 possible
3. 4x PCIe card with a bandwidth of around 3900 MB/s
4. Cooler optimally protects your SSD

Product picture:



Version: 08/2017
We assume no responsibility for any typos.

Technical specifications

Technical Data	Eisblock HDX-5
Dimension (LxWxH)	135 x 80 x 24 mm
Material	Aluminium
PCIe form factor	4x PCIe
Compatibility	M.2 2280 SATA SSDs
Max. Bandwidth PCIe Card	3900 MB/s

Other information

Product	Article No. Alphacool	Article No. Aquatuning	EAN Code	Dimension PU in mm	Weight in kg
Eisblock HDX-5	11437	1013798	4250197114356	178 x 142 x 41	0,35

Mounting material/Scope of delivery

Scope of delivery	Eisblock HDX-5
Cooler	1x Topplate, 1x Backplate
Mounting material	Screws, Thermal pads
PCIe card (RAID Controller Card)	1x
Slot cover	1x
Driver CD	1x

Downloads

Product	Images
Eisblock HDX-5	https://www.alphacool.com/download/1013798.zip

Article texts

up to 50 words

With the Alphacool HDX-5, you get a RAID controller card together with a massive heatsink for your M.2 SATA SSD and two conventional SATA drives. The cooler almost entirely prevents throttling of the M.2 SSDs and the card provides a maximum bandwidth of 3900 MB/s. The optimal solution for your high-end system.

up to 125 words

With the Alphacool HDX-5, you get a RAID controller card together with a massive heatsink for your M.2 SATA SSD. The card also features two conventional SATA connections. This lets you set up RAID 0 and 1 variants.
The HDX-5 uses a 4x PCIe plug-in card that provides a bandwidth of around 3900 MB/s. That's almost 600% more than a conventional SATA connection with around 640 MB/s.
The HDX-5's massive cooler prevents the M.2 SSDs from decreasing in speed, which generally happens very quickly during large data transfers due to overheating. When this happens, the SSD's performance drops to around 10% of its actual capacity. With the HDX-5's massive cooler, this possibility is almost entirely eliminated.

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up to 250 words

With the Alphacool HDX-5, you get a RAID controller card together with a massive heatsink for your M.2 SATA SSD. The card also features two SATA connections on its end, for connecting your normal SATA drives. This gives you lots of combination options for setting up your RAID group. You can set up RAID 0 and 1 variants.
So that the connection to the rest of the system doesn't become a bottleneck, Alphacool uses a 4x PCIe plug-in card that provides a bandwidth of around 3900 MB/s. That's almost 600% more than a conventional SATA connection with around 640 MB/s. Even many motherboards only have a 2x PCIe for the M.2 slot, essentially half of the possible bandwidth of the Alphacool 4x PCIe card.
The HDX-5's massive cooler prevents the M.2 SSDs from decreasing in speed, which generally happens very quickly during large data transfers due to overheating. When this happens, the SSD's performance drops to around 10% of its actual capacity. With the HDX-5's massive cooler, which covers the length of your entire SSD, this possibility is almost entirely eliminated. Unlike M.2 connections on a motherboard, which are hard to cool due to their positioning near or underneath the graphics card, the HDX-5 has no such problem.

up to 500 words

With the Alphacool HDX-5, you get a RAID controller card together with a massive heatsink for your M.2 SATA SSD. The card also features two SATA connections on its end, for connecting your normal SATA drives. This lets you choose whether you just want to connect two M.2 SATA SSDs together for RAID 0 or 1, or if you want to connect one M.2 SSD to each hard drive in the SATA slots to make a RAID group, or just use two hard drives in the normal SATA slots. Alternatively, you could use just the two M.2 SATA slots in a RAID group and use the normal SATA slots for additional hard drives for your system.
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The HDX-5's massive cooler prevents the M.2 SSDs from decreasing in speed, which generally happens very quickly during large data transfers due to overheating. When this happens, the SSD's performance drops to around 10% of its actual capacity. With the HDX-5's massive cooler, which covers the length of your entire SSD, this possibility is almost entirely eliminated. Unlike M.2 connections on a motherboard, which are hard to cool due to their positioning near or underneath the graphics card, the HDX-5 has no such problem.