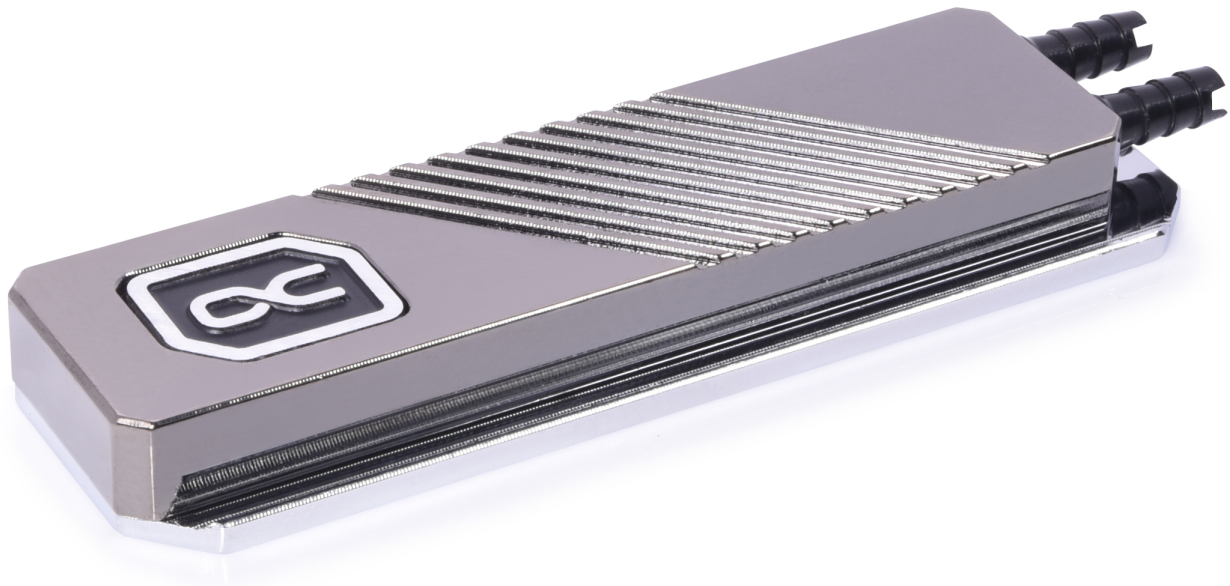


Alphacool HDX Pro Water M.2 NVMe 2280 SSD Cooler (MCX Version)

Alphacool article number: 11769



Quick Info

SSDs in M.2 format are now standard PC equipment. The high transfer rates and extremely low access times allow faster and more effective working or gaming on the PC. Alphacool offers the Alphacool HDX Pro Water M.2 NVMe 2280 SSD Cooler (MCX Version) so that the full performance of the M.2 NVMe SSD can be used permanently. It is a useful addition to any water cooled system and ensures that the M.2 SSD memory can unleash its full potential.

- Nickel-plated brass cooler bottom with optimal thermal conductivity
- Enables full potential release of the M.2 SSD memory
- Flexible to use

Compatibility

- M.2 NVMe 2280 SSD

Scope of delivery

1x HDX Pro Water M.2 NVMe 2280 SSD Cooler (MCX Version)	1x clip
2x 20 x 68 x 0,5mm Thermal Pad	1x Alphacool MCX 2x distributor, black
1x 20 x 68 x 1,5mm Thermal Pad	1x 1m 5/3mm PVC hose, transparent

Technical data cooler

L x W x H	70,7 x 23,4 x 10,9mm
Material cooler	nickle-plated brass
Material cooler top	brass
Material clip	synthetic material
Threads	2x hose nozzles 3mm screwed in
Thickness cooler bottom	1,6mm
Thermal conductivity thermal pads	3 W/mK
Maximum working temperature	60°C
Pressure tested	0,8 Bar
Weight	61g
Color	silver

Technical data distributor

L x W x H	30 x 29 x 18mm
Material	Acetal
Length hose	1m
Hose size	5/3mm
Material hose	PVC
Connections	2x G1/4" inner thread 2x hose nozzles 3mm screwed in
Max. Thread length G1/4" Connections	5,5mm
Maximum working temperature	60°C
Pressure tested	0,8 Bar
Weight	28g
Color	black

Download links

Manual	11769_Alphacool_HDX_Pro_Water_M.2_NVMe_2280_SSD_Cooler_(MCX_Version)_Manual.pdf
Product pictures	11769_Alphacool_HDX_Pro_Water_M.2_NVMe_2280_SSD_Cooler_(MCX_Version)_pics.zip

Packaging dimensions per unit

L x W x H	100 x 90 x 50 mm
Weight	150 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197117692
Customs code	84195080900

Article text

SSDs in M.2 format are now standard PC equipment. The high transfer rates and extremely low access times allow faster and more effective working or gaming on the PC. Alphacool offers the HDX Pro Water M.2 NVMe 2280 SSD Cooler (MCX Version) so that the full performance of the M.2 NVMe SSD can be used permanently. It is a useful addition to any water cooled system and ensures that the M.2 SSD memory can unleash its full potential.

Why an active M.2 cooler?

Due to their design, M.2 SSDs are only capable of delivering their maximum performance for a short time. The controller chip heats up extremely quickly and starts to throttle the performance of the M.2 SSD early on to avoid overheating. Independent tests have shown that during write operations, the transfer rates of uncooled M.2 SSDs can drop after just 30 seconds. With read processes, the throttling usually occurs a few seconds later. With the Alphacool HDX Pro Water M.2 NVMe 2280 SSD Cooler (MCX Version), the maximum performance of the SSD can be used over a significantly longer period of time. This is clearly noticeable during longer read and write processes..

Mounting

The HDX Pro Water M.2 NVMe 2280 SSD cooler is compatible with M.2 NVMe 2280 SSDs that are populated on one or both sides. If the PCB is populated with memory chips on both sides, the 0.5mm thermal pad is used on both sides. If memory chips are only installed on one side, then the 1.5mm heat conduction pad is used on the side without chips. After the top and bottom of the SSD are equipped with thermal pads, the SSD memory is slid into the retaining clip and mounted under the cooler. The cooler has an inlet and outlet on each side suitable for 5/3mm hoses. With the help of the MCX 2x distributor and the 5/3mm hose, the HDX Pro Water M.2 NVMe 2280 SSD cooler (MCX version) can be easily as well as space-saving integrated into the water circuit. This variant is a reasonable choice if there is little space in the PC case and optimal hose routes are difficult to achieve.

