

Alphacool NexXoS XT45 Full Copper Quad 480/560 Radiator

Alphacool article number: 14396



Quick Info

The XT45 Quad radiator has space for four 120/140 mm fans single sided or eight fans double sided. If you want to operate the radiator passively, you can remove the mounting plate in order not to obstruct the natural airflow. Of course, the mounting plates for both types of fans can also be interchanged. This gives you more freedom when mounting the fans.

- solid copper radiator
- large cooling surface
- detachable mounting frame

Scope of delivery

1x Alphacool NexXoS XT45 Full Copper Quad 480/560
Radiator, black
16x M3x30 Screws
16x M3 Washers
1x Allen Key

1x plug tool
5x stop plug
1x fan mounting bracket for 120mm fan 284 x 276 mm
1x fan mounting bracket for 140mm fan 284 x 276 mm

Technical data radiator

L x W x H	322 x 280 x 49 mm
Material cooling fins, pre-chambers & channels	copper
Material threads	brass
Material outer housing	stainless steel
Threads	7x G1/4"
Possible fan size	120mm or 140mm
Possible fan assembly	4x one-sided
Thread size fan mounting	M3
Pressure tested	0,8 Bar
Maximum working temperature	60°C
Fin density	12 FPI
Weight	2370g
Color	black

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Product pictures	14396_Alphacool_NexXoS_XT45_Full_Copper_Quad_480-560_Radiator_pics.zip
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Packaging dimensions per unit

L x W x H	400 x 295 x 60 mm
Weight	2820 g

Other data

Certificates	CE, FC, ROHS
EAN	4250197143967
Customs code	84195080900

Would you like a little more?

Alphacool NexXxoS XT45 Quad 480 mm / 560 mm! 280 x 280 x 45 mm of pure cooling surface for four 120/140mm single sided.

Make No Compromises, Use Copper.

As usual, Alphacool also uses pure copper for the NexXxoS XT45 Quad Radiator. The end chambers, water channels and cooling fins are all made of copper and are a unique selling point worldwide. As a result, Alphacool radiators have been among the most popular and best on the market for many years, providing the perfect foundation for every water cooling system.

Full Cooling Capacity

To maximize the performance of a radiator, Alphacool reaches deep into its bag of tricks. Copper is the starting point. With a thermal conductivity of 400 W/(mK) for copper compared to 236 W/(mK) for aluminium, the winner is clear. Alongside this is the special fin density. Alphacool is one of the oldest companies in the field of water cooling and has carried out countless laboratory tests. The result, especially for such large radiators, is a fin spacing of 12 FPI. This means that the air flow is almost unobstructed as the air can pass through even without high pressure. However, the cooling capacity does not suffer from this, on the contrary. To use the airflow optimally, all cooling fins have small serrations. These are tiny flaps that guide the airflow in the desired direction and increase the surface area. In the case of radiators, they are barely 1 mm high, but still provide controlled air turbulence to increase cooling capacity and minimise airflow noise.

Which fans?

The XT45 Quad radiator has space for four 120/140 mm fans single sided. If you want to operate the radiator passively, you can remove the mounting plate in order not to obstruct the natural airflow. Of course, the mounting plates for both types of fans can also be interchanged. This gives you more freedom when mounting the fans.

Connection options

The Alphacool NexXxoS XT45 Quad Radiator offers six G1/4" threads for IN and OUT. A further G1/4" thread on the back of the radiator serves as a fill port. Alternatively, a temperature sensor or a drain port can also be attached here.

