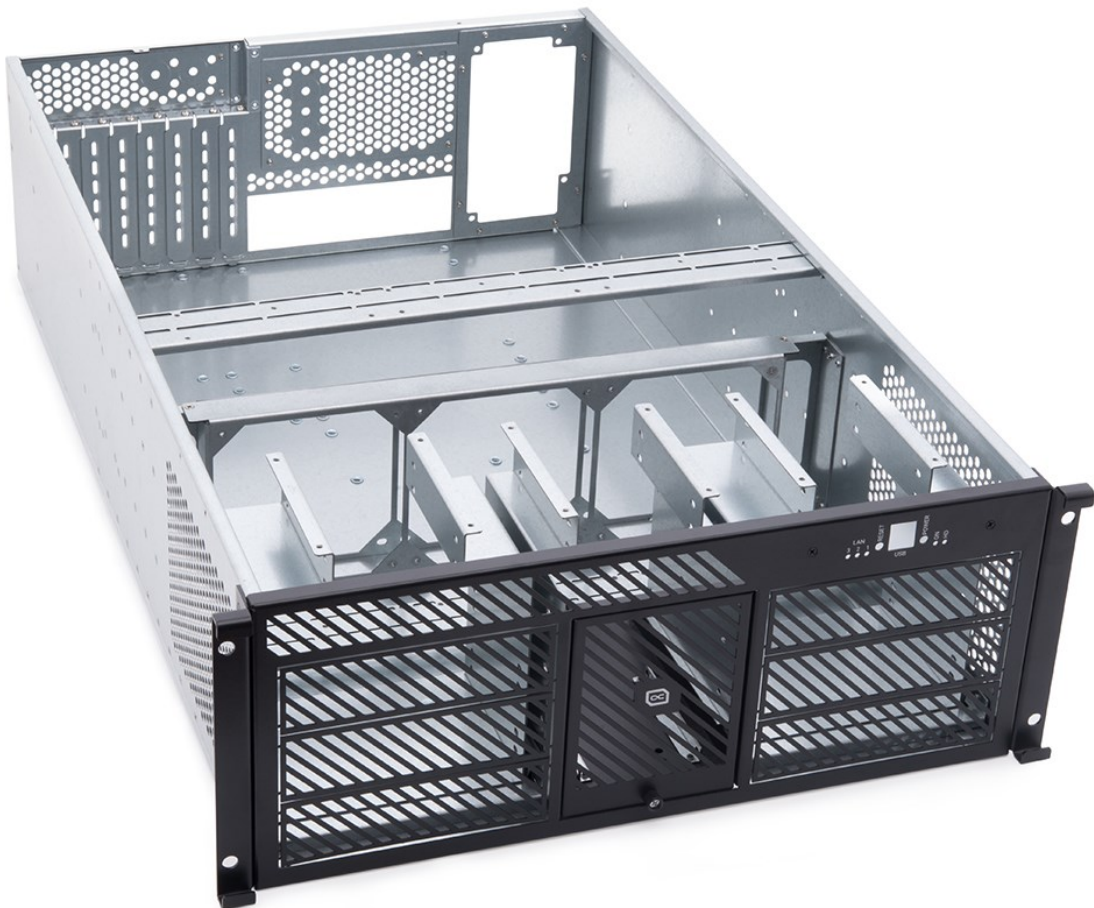


The Alphacool ES ServerRack was specially developed to hold Alphacool ES water cooling products. The housing offers mounting options for radiators, expansion tanks and of course all relevant hardware components. It is the ideal basis for controlling the increasing heat build-up of High-Performance components.

Alphacool ES 4U ServerRack



Scope of delivery

Mounting screws

1 x set of slide rails for rack mounting

2 x 3.5" bracket for 5.25" bay

1 x 3 x 120mm fan and radiator bracket

2 x mounting rails (for control units and distro plates)

1 x pump mounting rails

Data housing

Form factor	4U
Length	736,95 mm (29,01 Inch)
Width	478,50 mm (18,84 Inch)
Height	177,8 mm (7,00 Inch)
Weigth (only case without common rails)	17,22 kg (37,96 lbs)
Material	Galvanised sheet steel
Material thickness	1,2 mm
Colour Case	Grey
Colour Front	Black
Hose passage	4 x 20 mm

Mainboard compatibility

Mainboard form factor	SSI-EEB: Mini-ITX, Micro-ATX, ATX, E-ATX, EE-ATX
-----------------------	--

Drives

Standard	Optional
6 x 5,25" Schächte	
6 x 2.5" HDD/SSD	
3 x 3,25" HDD/SSD	Pump/AGB Holder

Fans

Fan/radiator bracket	3 x 120 mm
----------------------	------------

Expansion cards

8 x PCIe slot

Download Links

Product pics	https://www.alphacool.com/download/1017607_4U_ServerRack_product_pics.zip
Manual	https://www.alphacool.com/download/1017607_Alphacool_ES_4U_19_ServerRack_WC_Ready_manual.pdf

We assume no responsibility for any typing errors.

Alphacool International GmbH, Marienberger Strasse 1, 38122 Braunschweig Tel: (+49)0531 288 740 Supportmail: info@alphacool.com

Power supply compatibility

A selection of compatible power supplies	https://www.alphacool.com/download/1U_2U_PSU_Compatibility_Serverrack.pdf
--	---

Dimensions packing 1 unit

Length	860 mm (33,86 Inch)
Width	565 mm (22,24 Inch)
Height	260 mm (10,24 Inch)
Total weight	19,46 kg (42,90 lbs)

Other data

Certificates	CE, FC, RoHS
EAN	4250197501675
Customs number	84733080000

Compatible water cooling products

Radiator	Article number
NexXoS ST30 Full Copper X-Flow 360 mm (3 x 120mm)	14230
NexXoS XT45 Full Copper X-Flow 360 mm (3 x 120mm)	14235
NexXoS UT60 Full Copper X-Flow 360 mm (3 x 120mm)	14239
NexXoS ST30 V.2 Full Copper 360 mm (3 x 120mm)	14291
NexXoS XT45 V.2 Full Copper 360 mm (3 x 120mm)	14345

Reservoirs	Article number
Alphacool Eisstation 80 DC-LT (Recommended pump: 13154)	15371
Alphacool ES Reservoir 2U - DDC (Recommended pump: 13991)	15376

CPU cooler	Article number
Alphacool Eisblock XPX 1U	12961
Alphacool Eisblock XPX PRO 1U	12936

120 mm Fans	Article number
Alphacool ES 120mm 1000-4.000rpm PWM (120x120x25mm)	24817
Alphacool ES 120mm 4.000rpm DC (120x120x25mm)	24810

I/O-Panel	Article number
Alphacool Front I/O-Panel with USB 2.0 and cable set	25054

Overview of specially adapted water cooling systems

4U Water cooling kits	Link to the complete overview of all sockets on the Alphacool website
------------------------------	---

We assume no responsibility for any typing errors.

Alphacool International GmbH, Marienberger Strasse 1, 38122 Braunschweig Tel: (+49)0531 288 740 Supportmail: info@alphacool.com

The Alphacool ES 4U ServerRack has been specifically optimised to accommodate water cooling sets that can dissipate up to 2400W of waste heat in this enclosure. For this purpose, the enclosure not only offers a mounting frame for a maximum of one 3x120mm full copper radiator of the Alphacool NexXoS series. The optionally available Alphacool ES 120 mm fans with PWM control ensure optimum cooling performance.

Drives

The 4U server rack offers mounting options for six 5.25" drives on the left and right side of the front. Six mounting positions for 2.5" drives are located in the upper area in the front. In the middle, three 3.5" drives can be mounted or an expansion tank including pump.

Mainboard

For mounting an SSI-EBB mainboard, all the usual screw connection options in the classic ATX format are available. This includes all mounting holes for Mini-ITX to EE-ATX. The case offers space for up to eight PCIe cards.

Water cooling for 2400W waste heat

With an appropriate water cooling system, up to 2400W of waste heat can be dissipated in this case. Alphacool offers special water cooling sets for this purpose, which can be individually configured and are delivered to the customer pre-filled. The mounting frame for the radiator and fans can be moved within the enclosure to suit any set-up.

Please note: The case comes without I/O panel. Alphacool offers a separate set of I/O panel and cable harness under item number 25054.