

Alphacool Eisbaer Aurora LT240 CPU AIO

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Quick Info

The Eisbaer LT Aurora CPU AIO water cooler offers extremely good cooling performance due to the high-end components, which includes a full copper radiator. The components used are all from Alphacool's classic custom water cooling sector and can also be found in its enterprise products for servers. The Eisbaer LT Aurora can be expanded with additional components thanks to the quick-release fastener

- Full copper HPE Radiator
- Nickel-plated copper cooler
- Digital RGB lighting on cooler & fans

Compatibility

Compatibility Intel 775 / 1056 / 1155 / 1150 / 1151 / 1200 / 1700 / 2011 / 2011-3 / 2066

Compatibility AMD AM2 / AM2+ / AM3 / AM3+ / FM1 / FM2 / FM2+ / AM4 / AM5 / TR4 / sTRX4 / sWRX / SP3

Scope of delivery

1x Mounting set AMD	8x M3x30 fan screws
1x Mounting set Intel	1x Y-adaptor 4-Pin PWM
1x Thermal compound	1x Digital RGB controller
8x M3x5 case mounting screws	1x 3-Pin JST to 3-Pin 5V adaptor

Technical Data Radiator

L x W x H	274 x 120 x 25 mm (+/- 3%)
Material cooling fins, pre-chambers & channels	copper
Material threads	brass
Material outer housing	stainless steel
Threads	2x G1/4"
Possible fan size	120mm
Possible fan assembly	2x one-sided / 4x both-sided

Technical Data cooler with pump

L x W x H	69 x 69 x 45 mm
Material cooler bottom	nickel plated copper
Material cooler top	PMMA
Threads	2x G1/4" (+ 1x Fillport G1/4")
Pump type	DC-LT2
Pump speed	2600 rpm (+/- 10%)
Head of delivery	1 m
Maximum flow rate	72L/h
Voltage	6 - 13.5V DC
Power consumption	3,2W
MTBF	50.000 h

Technical data liquid

Color	clear
Ingredient 1	distilled water (CAS-Nummer 7732-18-5)
Ingredient 2	Glysantin (CAS-Nummer 1017-21-1)
Working temperatures	15C°/+90°C

Technical data quick-release coupling

Dimensions	95 x 27 mm
Material	Nylon
Tube size	12,7/7,6 mm
Color	black

Technical data connectors

Dimensions (connection straight)	24 x 18 mm
Quantity (connection straight)	2x
Dimensions (connection 90°)	35 x 27 x 17 mm
Quantity (connection 90°)	2x
Tube size	12,7/7,6 mm
Material	brass

Technical data tube

Length	40 cm
Material	TPV (EPDM/PP)
Color	black
Tube size	12,7/7,6 mm
Hardness grade	35 Shore-A to 50 Shore-D
Maximum working temperature	-50 bis +155°C

Technical data fans

Speed	800 - 2000 RPM
Static pressure	2,0 mm/H ₀
Air flow rate	104,49 m³/h
Bearing	Hydraulic
Connection	4-Pin PWM
Connection Digital aRGB	3-Pin JST + 3-Pin 5V
L x W x H	120 x 120 x 25 mm
Cable length	187 g
Voltage	60 °C

Download links

Manual	11678_Alphacool_Eisbaer_Aurora_LT240_CPU_AIO_Manual.pdf
Product pictures	11678_Alphacool_Eisbaer_Aurora_LT240_CPU_AIO_pics.zip

Packaging dimensions per unit

L x W x H	345 x 255 x 145 mm
Weight	2600 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197116787
Customs code	84195080900

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At its heart, the DC-LT 2 pump

The exceedingly small and compact DC-LT 2 pump has been further optimized compared to its predecessor. The impeller sits suspended on a ceramic axle and is supported by two magnets. A 3-phase sinusoidal drive ensures a much smoother running of the pump, which significantly contributes to minimizing noise. The pump offers enough power to add another component, such as a GPU water cooler or another radiator, to the loop. Ideally, it is coupled with an Eiswolf 2 GPU AIO water cooler. This also uses a DC-LT 2 pump.

DIY fittings and ES tubing

The tubing and fittings come from the standard custom cooling segment and all use a standard G1/4" thread. Therefore, it is extremely easy to replace them. The black TPV hose comes, like the connectors, from the Alphacool ES series which is primarily installed in servers and workstations. The hose does not contain any plasticizers and, unlike classic PVC hoses, does not deform at high temperatures. The quick connector is not made of heavy brass, but of extremely light, durable and, robust nylon. The quick connector is compatible with many other models from the Alphacool product line.

Cooler

As with all Alphacool products, the cooler base is made of nickel-plated copper and is equipped with exceptionally fine cooling fins that are distributed over almost the entire base. A flow plate provides an accelerated flow over the cooling fins which increases the cooling performance. The water flow is optimized so that all areas of the cooler base are cooled evenly.

Full Digital RGB Mounting

The pump unit and fans are fully equipped with Digital RGB LEDs, also known as Addressable RGB or aRGB. Extensive effects can be set with the included controller or with the Digital RGB controller on the motherboard. For a nice visual effect, there is an illuminated polar bear (Eisbaer). For easier control via a controller, the fans and also the pumps can be connected in series via daisy-chain. This ensures a clean wiring of the individual LED components.