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# Alphacool Eisbaer Aurora LT240 CPU AIO Digital RGB

Alphacool article number: 11678

## 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

**AMD:** AM2 / AM2+ / AM3 / AM3+ / AM4 / AM5 / FM1 / FM2 / FM2+ / SP3 / SP6 / sTRX4 / sWRX8
**Intel:** LGA 1150 / LGA 1151 / LGA 1155 / LGA 1156 / LGA 1200 / LGA 1700 / LGA 1851 / LGA 2011 / LGA 2011-3 / LGA 2066 / LGA 755

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## Scope of delivery

- 1x Mounting set AMD
- 1x Mounting set Intel
- 1x Thermal compound
- 8x M3x5 case mounting screws
- 8x M3x30 fan screws
- 1x Y-adaptor 4-Pin PWM
- 1x Digital RGB controller
- 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 | destilled 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 |

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## 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/$H_2O$ |
| Air flow rate | 104,49 $m^3/h$ |
| 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_Digital_RGB_Manual.pdf |
| Safety data sheet | 11678_Alphacool_Eisbaer_Aurora_LT240_CPU_AIO_Digital_RGB_SDS.pdf |
| Product pictures | 11678_Alphacool_Eisbaer_Aurora_LT240_CPU_AIO_Digital_RGB_pics.zip |
| EU-DoC / CE / RoHS | Alphacool_EuDoc_CE_RoHS_11678.pdf |

## 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 |
| Guarantee | 3 years |

## Article text

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.

**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.