

Freezer 50 TR



Dual Tower CPU Cooler for AMD Ryzen™ Threadripper™ with A-RGB



- Dual-Tower Design with 8 Heatpipes for Maximum Performance
- 100% Die Coverage
- Addressable RGB for Fully Customisable Illumination
- Two Pressure-optimised Fans
- Wide RPM Range for Highest Performance and Low Noise Level
- Easy Mounting Solution
- MX-4 Thermal Paste Included



The ARCTIC Freezer 50 TR is a dual-tower CPU cooler with two P-series fans in push-pull configuration. It is an extremely powerful cooling solution for the AMD Ryzen Threadripper CPU, capable of efficiently and quietly cooling even 64-Core CPUs. The Freezer 50 TR is also ARCTIC's first CPU cooler equipped with fully addressable RGB, granting you totally customisable illumination and an individual colour look to the PC.

Specifications

General	
Heat Pipe	Direct Touch Ø 6 mm x 8
Heatsink	Aluminium Fins x 104 Thickness: 0.4 mm
Thermal Compound	MX-4 (0.8 g)
Dimensions	147.8 mm (L) x 149.5 mm (W) x 165 mm (H)
Weight	1242 g
Compatibility	AMD® sTRX4, sTR4, SP3
RAM Clearance	37.5 mm
RGB	
Connector	D/V/G digital RGB 3-pin connector
Current/Voltage	13 A-RGB LEDs: 0.5 A/5 V
Fans	
Fans	1 x 120 mm, 200–1800 RPM 1 x 140 mm, 200–1700 RPM (Controlled by PWM)
Current/Voltage	120 mm: 0.09 A/12 V 140 mm: 0.13 A/12 V
Bearings	Fluid Dynamic Bearing
Noise Level	0.4 Sone @ Max. RPM
Connector	120 mm fan: 4-pin Connector 140 mm fan: 4-pin Connector + 4-pin Socket

Addressable RGB Controller (Optional)	
Outputs	1x D/V/G digital RGB 3-pin connector 2x A-RGB Fan 8-pin
Software Requirement	No
RGB Modes	15 embedded modes 12 embedded colours + Motherboard sync
Accessories	RF Remote 400 mm Motherboard Sync. Cable Mounting Accessories
Power Source	Sata Power
Dimensions	100 mm (L) x 70 mm (W) x 12 mm (H)
Weight	50 g

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A-RGB for Full Colour Control

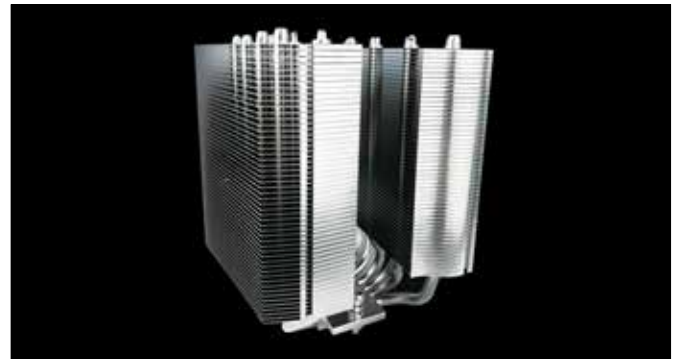
The 13 A-RGB LEDs installed in the Freezer 50 TR are autonomously controllable from each other. We are compatible with the common A-RGB standards of leading motherboard manufacturers for the simplest possible use. The Freezer 50 TR can therefore be fully illuminated directly via the A-RGB mainboard connection or via an external controller and synchronized with the lighting of other hardware.



Full-Featured A-RGB Controller (Optional*)

ARCTIC's own A-RGB Controller lets you enjoy exciting RGB lighting, even if your motherboard has no A-RGB connector. The controller can be freely positioned in the case and with the included remote control you then have full control over the effect and colour design.

* The A-RGB controller is optional. If you want to purchase the Freezer 50 TR with A-RGB controller, make sure you choose the version "Freezer 50 TR incl. A-RGB Controller".



Dual Tower Design and 8 Heatpipes

The massive, asymmetrical twin-tower CPU cooler offers more cooling surface and, together with its eight U-shaped Direct-Touch Heatpipes, ensures better heat distribution and faster heat dissipation.

This enables the highest possible cooling performance and makes the Freezer 50 TR one of the strongest air coolers for AMD's Ryzen Threadripper.



Ideal Airflow

The Freezer 50 TR features two P-fans working in push-pull configuration.

Combining a 120 mm fan and a 140 mm leads to an increase in airflow for improved cooling, while keeping the noise level and the installation height down.

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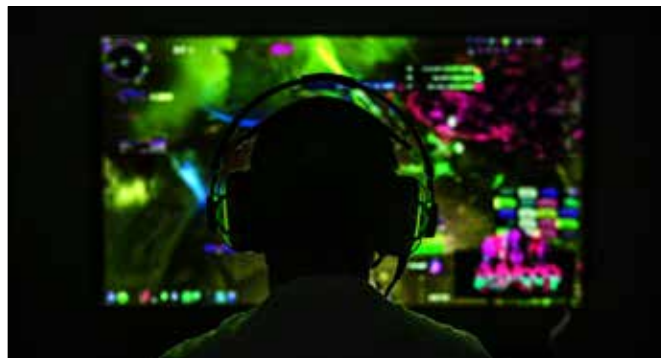


P-fan for Increased Performance

The Freezer 50 TR benefits from all advantages of our P-fans.

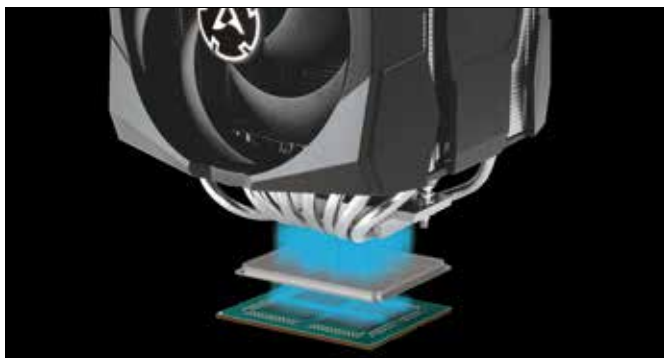
- High static pressure for increased cooling performance
- Broad RPM range
- Lower power consumption
- Less vibration
- Extended life span
- High quality bearing
- PWM for synchronous fan/pump control

For additional information about the P-fans, we recommend our FAQ.



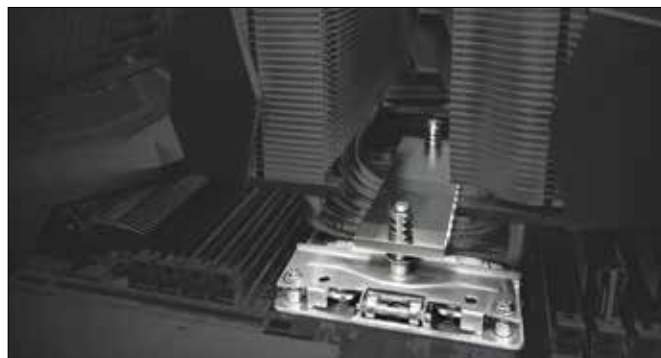
Better Cooling – Better Performance

No thermal throttling on your CPU - even an AMD Ryzen Threadripper 3990X with very high clock speeds is cooled efficiently. You reach the maximum FPS with minimal noise levels for the smoothest possible gaming experience.



High Performance for High-End CPU

The contact surface of the Freezer 50 TR heat pipes does not cover the full heatspreader, but – and more importantly – it is right there where the processor die is and covers even the largest versions completely.



Easy Installation & Secure Hold

With our new mounting solution, installing the Freezer 50 TR is quick and easy.

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RAM Clearance

Since the Freezer 50 TR is built for maximum performance, including a massive heatsink, it does not have limitless RAM Clearance. Recommended is a maximum memory module height of 37.5 mm. This stipulation is mainly due to the tip on the underside of the Freezer 50 TR, which means modules that exceed this height could still be compatible if they have V-shaped or centrally recessed heatsinks.

Multilingual Manuals

We offer a regularly updated user manual in many languages conveniently at your fingertips anywhere and anytime. Put the QR code sticker at a place of your convenience and never waste time again looking for product instructions.



MX-4 Thermal Paste included

The high-performance MX-4 thermal compound is included and ensures the best cooling results.



Product Information



Manual