

240/360mm Liquid Cooler

ALPHA2 V2

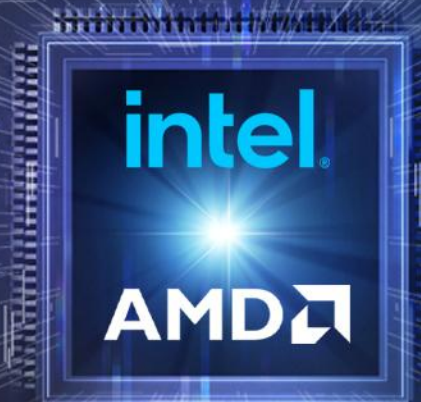
- Unique Design
- Powerful Cooling Performance
- Live CPU Temperature Display
- Vibrant RGB Lighting
- 360° Rotatable Magnetic Pump Head
- Powerful AF120 Annular Blade with Minimal Noise

Socket Compatibility

Intel Socket : LGA1851/1700/1200/115X

AMD Socket : AM5/AM4





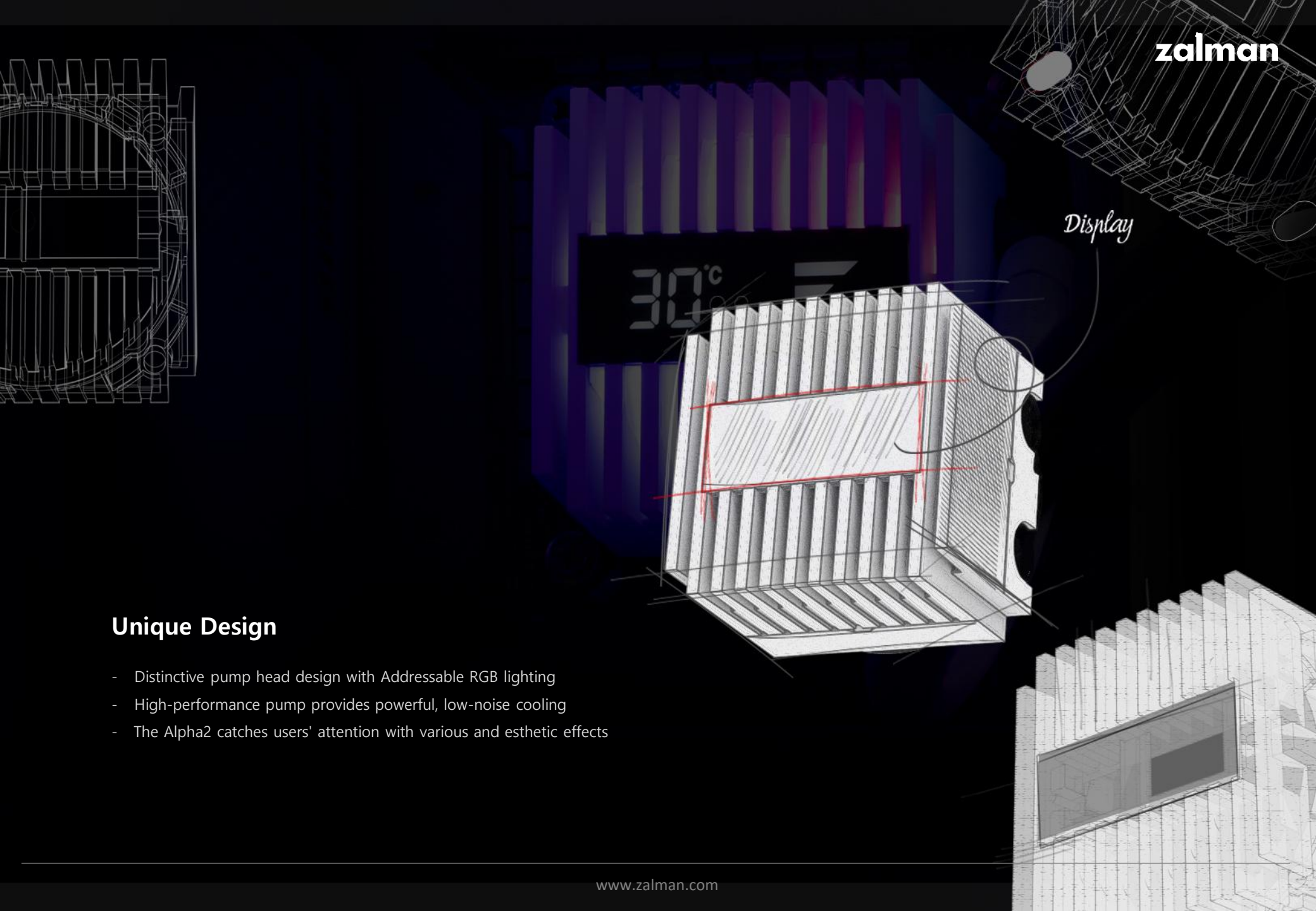
READY for **Intel 15th Gen Processors & AM5**

It is fully compatible with the latest intel's processors as well as AMD Ryzen.
Power management technology for each processor is seamless with no compatibility issues

Socket Compatibility

Intel Socket : LGA1851/1700/1200/115X

AMD Socket : AM5/AM4

The advertisement features a central image of the Zalman Alpha2 liquid cooler. The cooler has a dark, rectangular pump head with a digital display showing '30°C'. Below the pump head is a large, white, rectangular radiator with multiple fins. The entire unit is set against a dark background. In the top right corner, the 'zalman' logo is visible. On the left side, there is a technical line drawing of the cooler's internal components. On the right side, there is a technical line drawing of the cooler's external components. The word 'Display' is written in a cursive font next to the digital display on the pump head. The overall design is sleek and modern, emphasizing the cooler's unique pump head design and high-performance capabilities.

zalman

Display

Unique Design

- Distinctive pump head design with Addressable RGB lighting
- High-performance pump provides powerful, low-noise cooling
- The Alpha2 catches users' attention with various and esthetic effects

A digital temperature display is mounted on the side of the CPU cooler. It shows "30°C" in a white, digital font, followed by a stylized "Z" logo. The display is black and rectangular.

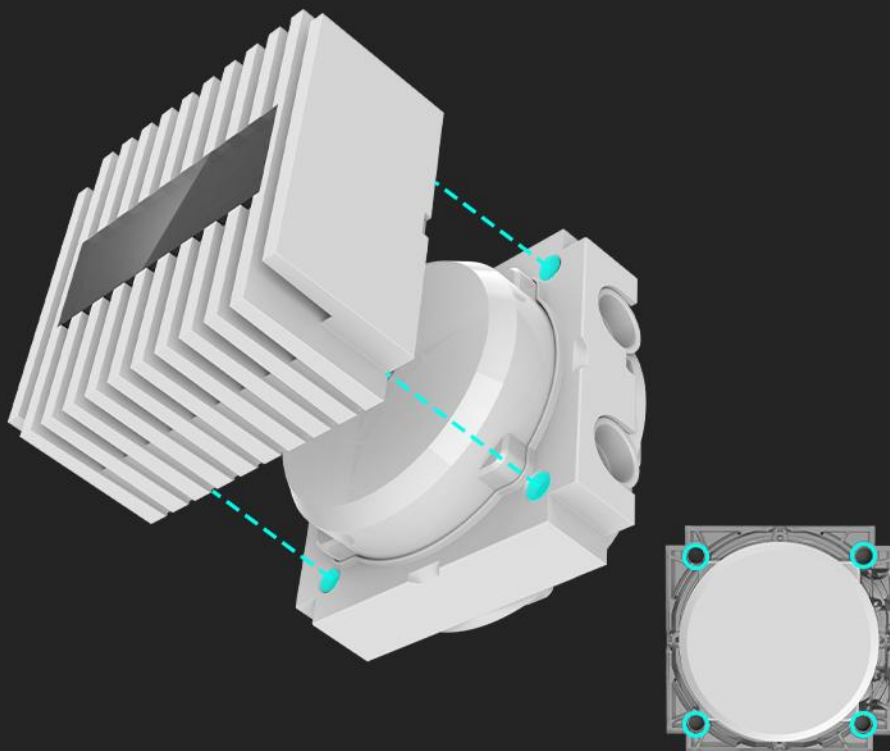
Perfectly Synchronized ARGB

- Exclusive design of ARGB effect
- Sync with various motherboard RGB software

Live CPU Temperature Display

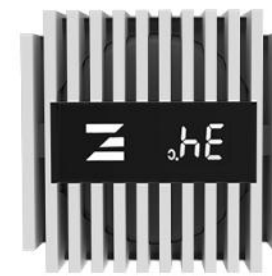
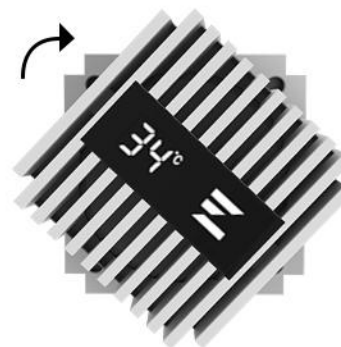
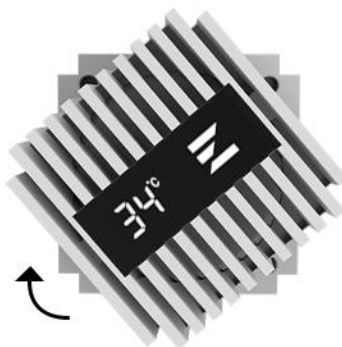
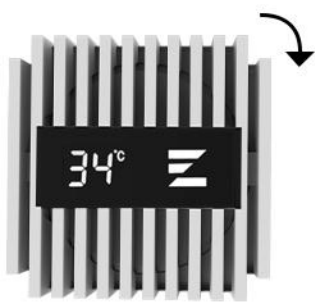
Alpha2 AIO features a Real-time display function that pulls the temperature from the BIOS, allowing users to monitor current temperature immediately.





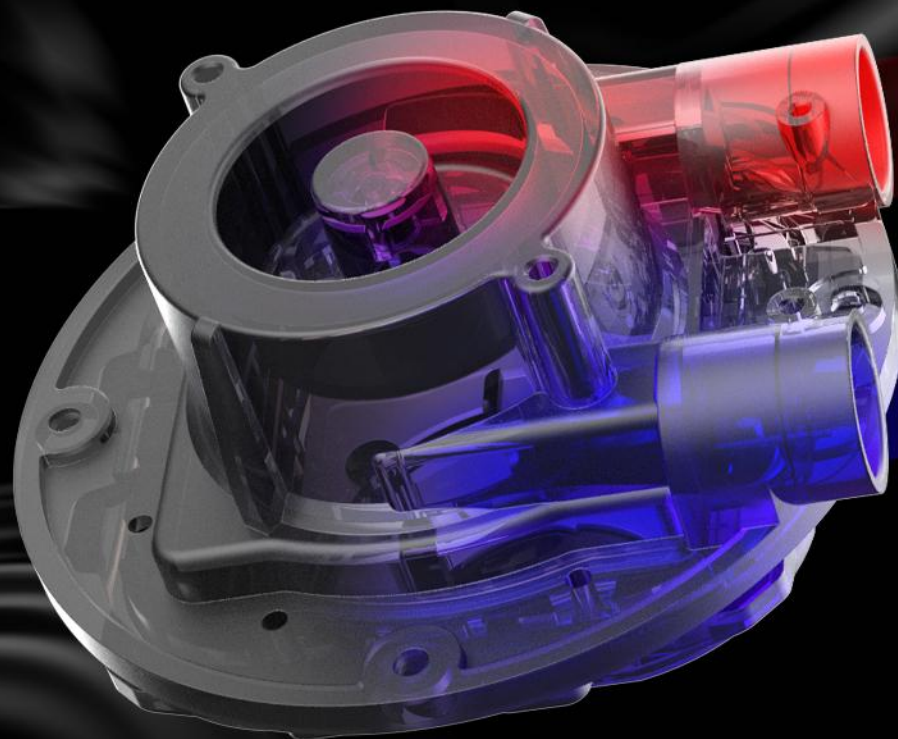
360° Rotatable Magnetic Pump Head

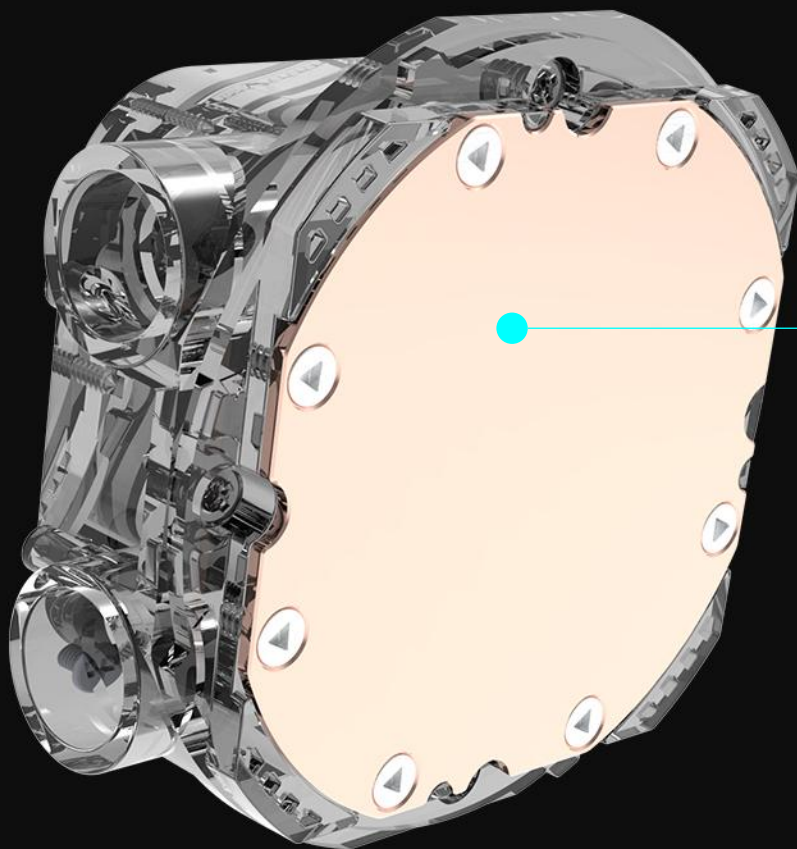
- Alpha2 pump head is designed to rotate 360°
- It can rotate freely according to direction of the tube and logo location
- The radiator can be mounted at various positions



Enhanced High-Performance Water Pump

The ALPHA2 V2 series has been upgraded with a new high-performance water pump for superior cooling efficiency. Operating at 3,300 RPM, the ALPHA2 V2 pump delivers maximum coolant flow rate and velocity with powerful performance while maintaining whisper-quiet operation.



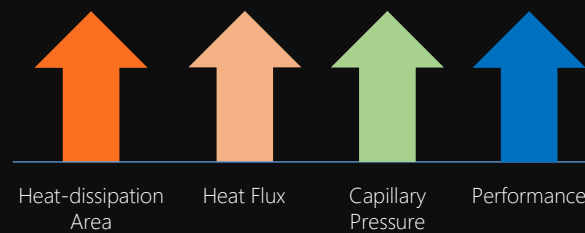


High-Performance Pure Copper Base

Cools down the CPU temperature more effectively

Micro-skived Fin Cu Base

0.15mm Micro-skived Fin is applied to secure the maximum heat dissipation area (220cm²)



30°C



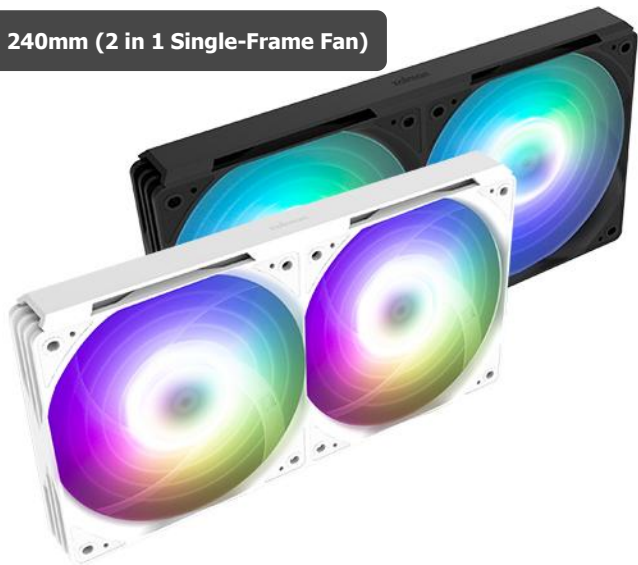
BLACK

WHITE

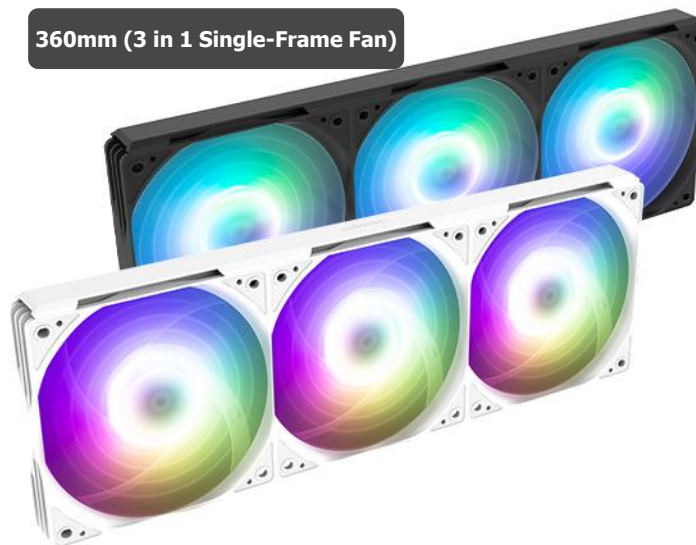
Sturdy Braided Nylon Sleeve and Rubber Tube

Durable and Flexible design against temperature fluctuation and high pressures

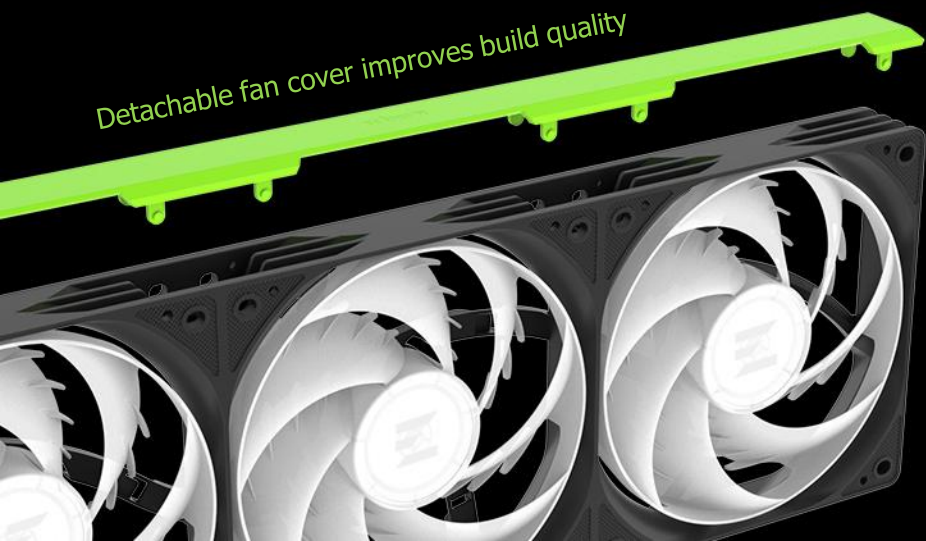
240mm (2 in 1 Single-Frame Fan)



360mm (3 in 1 Single-Frame Fan)



Detachable fan cover improves build quality



The single-frame fan cooler supports simple cable management

Applied 3-in-1 or 2-in-1 Single-Frame fan design with simple cable management supporting highly convenient of installation and maintenance

Minimizes the number of connectors to support excellent compatibility with the motherboard or hub

Innovative Shark Fin Blade Design

Our cooler features the advanced Shark Fin Blade design, inspired by aerodynamic principles similar to a car's rear diffuser.

This innovative design streamlines airflow across the fan blades, minimizing turbulence and preventing vortex formation.

Combined with a shroud ring structure, it suppresses vibrations and backflow, ensuring enhanced performance, reduced noise, and superior durability.

Optimized Airflow and Performance

Reduced Vibration and Noise: Stabilized blade operation minimizes vibrations, ensuring quieter performance and increased blade longevity.

Maximized Airflow Efficiency: By reducing vortex formation and centrifugal airflow loss at the blade tips, the design optimizes airflow projection, enhancing cooling efficiency.

Pre-installed Anti-vibration rubber pads

It has excellent durability and anti-vibration rubber pads for minimizing the vibration generated during fan operation between the fan and the radiator.



CPU Temp.

Low



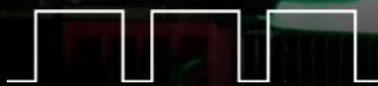
Low

Normal



Normal

High



High

Duty Cycle Curve Chart

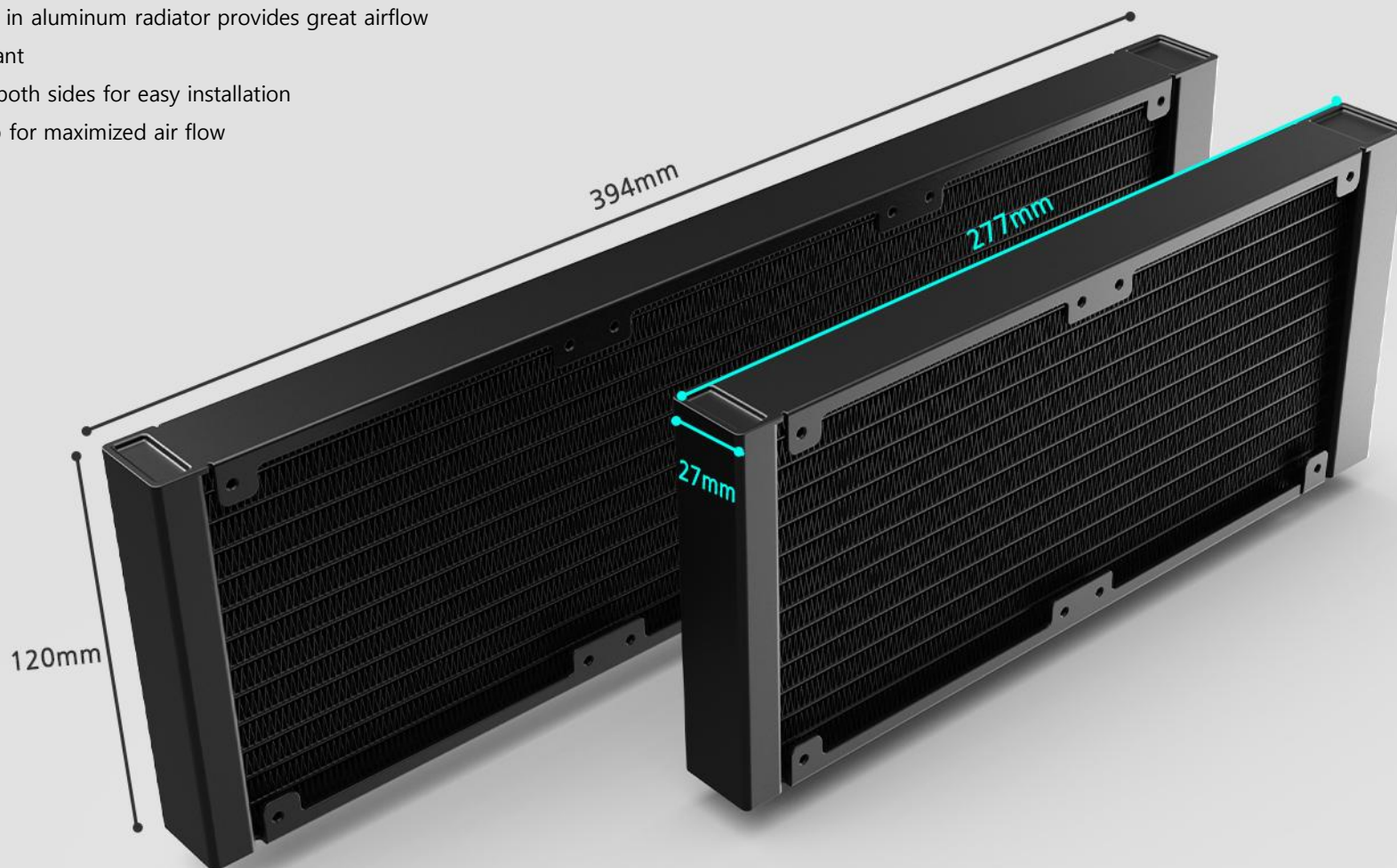


Optimized PWM control

PWM controls automatic adjustments to fan speed according to the user's environmental noise level to provide optimal performance

Aluminum Radiator with Maximum Heat Dissipation Area

- Heat dissipation fins in aluminum radiator provides great airflow
- Fast cooling of coolant
- Mounting holes on both sides for easy installation
- Pull and Push set up for maximized air flow



Excellent thermal conductive thermal compound ZM-STC10

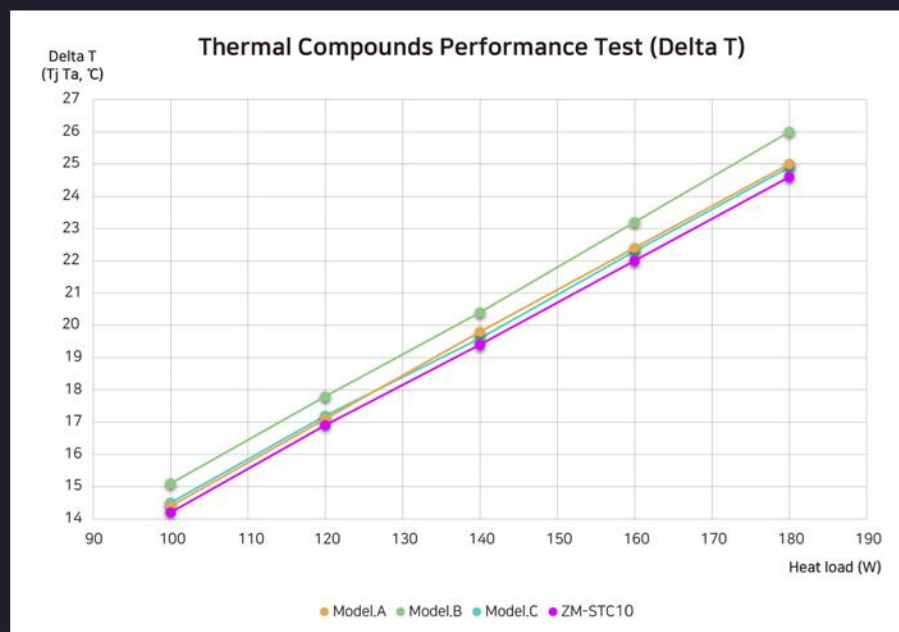
Alpha2 comes with ZM-STC10.

STC10 provides ideal heat transfer to keep PC cool and ready for heavy loads.

It provides excellent thermal conductivity by filling the space between the cooler base and CPU



ZM-STC10 성능 그래프



Developed and designed by ZALMAN in Korea.

WHITE



BLACK



Software

Give visit ZALMAN official website (<https://www.zalman.com>) to find the corresponding product software and install it.

Supported operating system : win 10 and above.



www.zalman.com

Alpha2 V2 A24

Radiator

Material:	Aluminum
Dimensions:	120 X 277 X 27(H)mm

Fan

Dimensions:	240 X 120 X 25(H)mm
Bearing Type:	Hydro Bearing
Speed:	800~2,000RPM±10%
Max. Noise Level:	29.7dB(A)±10%
Max. Air Flow:	69.12CFM±10%
Max. Static Pressure:	2.01mmH ₂ O±10%
Control Method:	Fan : PWM Control (4-Pin) LED : Addressable RGB (3-Pin 5V)

Alpha2 V2 A36

Radiator

Material:	Aluminum
Dimensions:	120 X 394 X 27(H)mm

Fan

Dimensions:	360 X 120 X 25(H)mm
Bearing Type:	Hydro Bearing
Speed:	800~2,000RPM±10%
Max. Noise Level:	29.7dB(A)±10%
Max. Air Flow:	69.12CFM±10%
Max. Static Pressure:	2.01mmH ₂ O±10%
Control Method:	Fan : PWM Control (4-Pin) LED : Addressable RGB (3-Pin 5V)

Pump

Materials:	PPS, PC, Pure Copper
Dimensions:	73(L) x 73(W) x 58(H)mm
Speed:	3,300 RPM±10%
Control Method:	PWM Control (4-Pin) LED : Addressable RGB (3-Pin 5V) 9-pin USB 2.0 connector

Components

