

**XASTRA**

# Astra Series AIO

Product Introduction





## Value Proposition

Xastra Astra series AIO liquid coolers feature an innovating pixel-art display design for the retro pixel aesthetics. Built-in 16x16 and 28x8 pixel screen respectively on the pump and the fan frame for customizable display via static or dynamic formats, allowing gamers to freely customize the display down to each pixel. While delivering powerful cooling performance, combined a high-performance PWM pump with a 60x60mm oxygen-free ultra-large copper base and 28mm-thick FDB fans to maintain stable and efficient cooling performance for the next-level PC builds.

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## Key Features

Innovating pixel creativity with 16x16 pixel screen on the pump and 28x8 pixel screen on the fan frame,

Customizable pixel creation with static and dynamic options available,

Come with 28mm-thick FDB fans while featuring ARGB inspiration halo on the front and precision aluminum alloy cutout frame design,

Built in high-performance pump with ultra-durable ceramic bearing, three-phase six-pole motor, 60x60mm oxygen-free large copper base and 0.1mm microchannel for stable and consistent performance release,

Pump adopts PWM control function for keeping balance between performance and noise, Equipped with the custom controller for pixel display, ARGB lighting and PWM fan control.

### Innovating Pixel Display

Equipped with 16x16 pixel screen on the pump and 28x8 pixel screen on the fan frame.

### Customizable Pixel Creativity

Come with the intuitive drawing tool for personalizable display contents from static to dynamic formats while supporting down to each pixel.

### High-performance Pump

Feature the ceramic bearing core solution, combined with a powerful three-phase six-pole motor and millimeter-level micro water channel structure.

### PWM Pump Control

Support dynamic pump speed adjustments according to the real-time CPU temperature for optimizing cooling and noise performance.

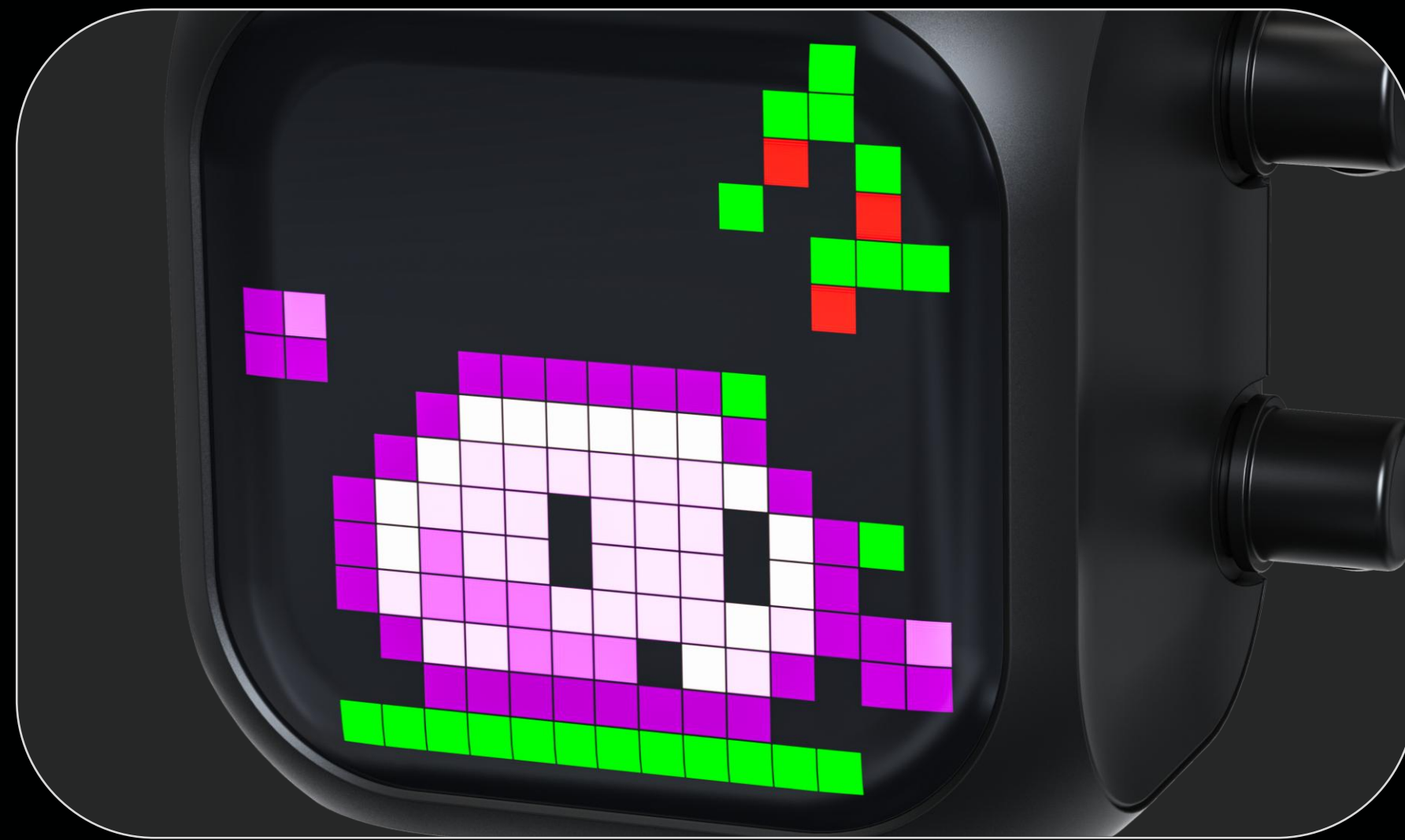
### Ultra-large Oxygen-free Copper Base

Built-in the 60x60mm copper base for high-efficient heat transfer and minimal thermal resistance to ensure stable cooling efficiency.

### 28mm-thick FDB fans

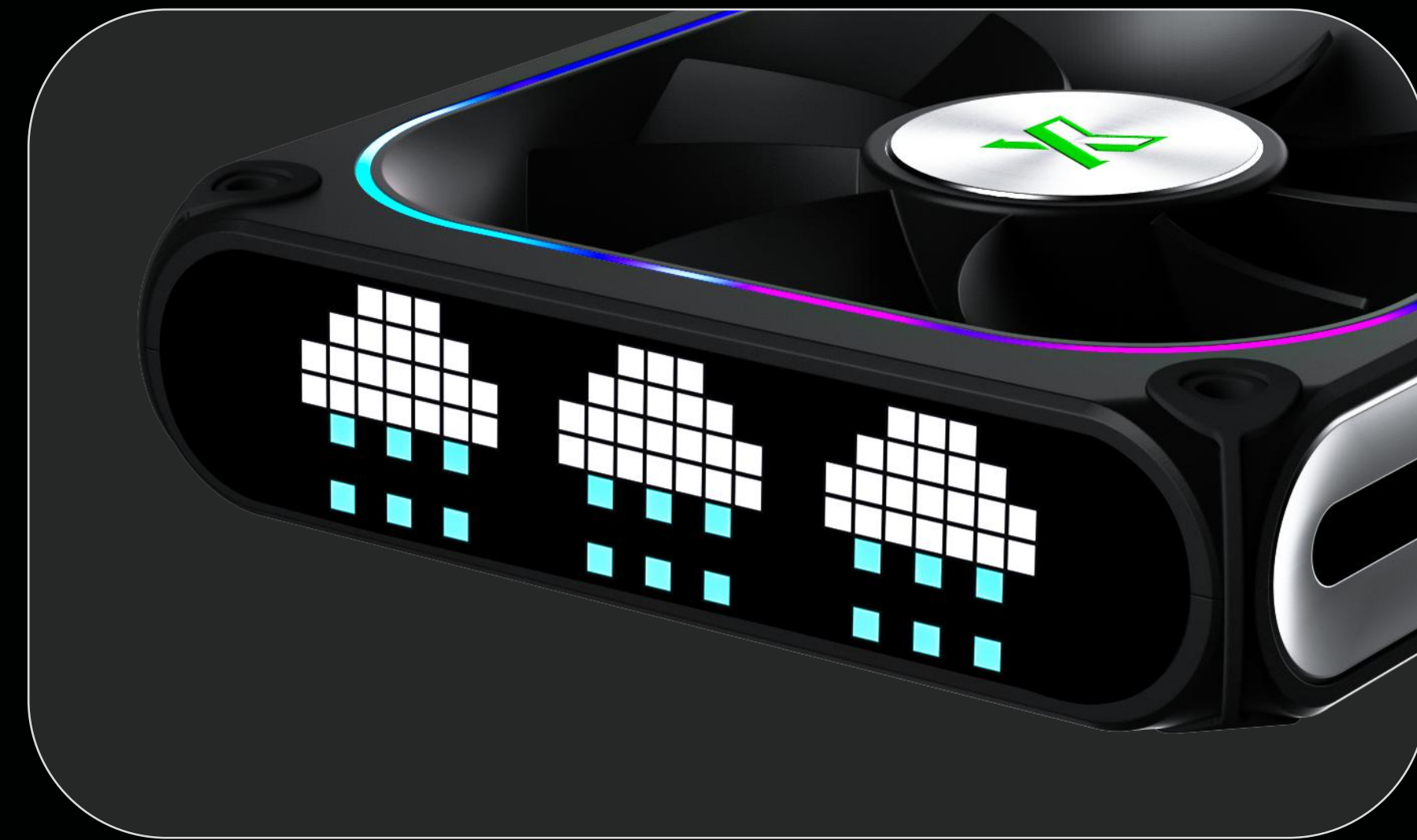
The all-round fine-tuned fan structure delivers single-frame unit with integrated fans for streamlined installation, and combined with FDB bearing to ensure high-performance and stable operation.

Equipped with a 16×16 pixel screen on the pump and a 28×8 pixel screen on the fan frame, delivering vivid color and brightness performance, effortlessly expressing every spark of creativity.



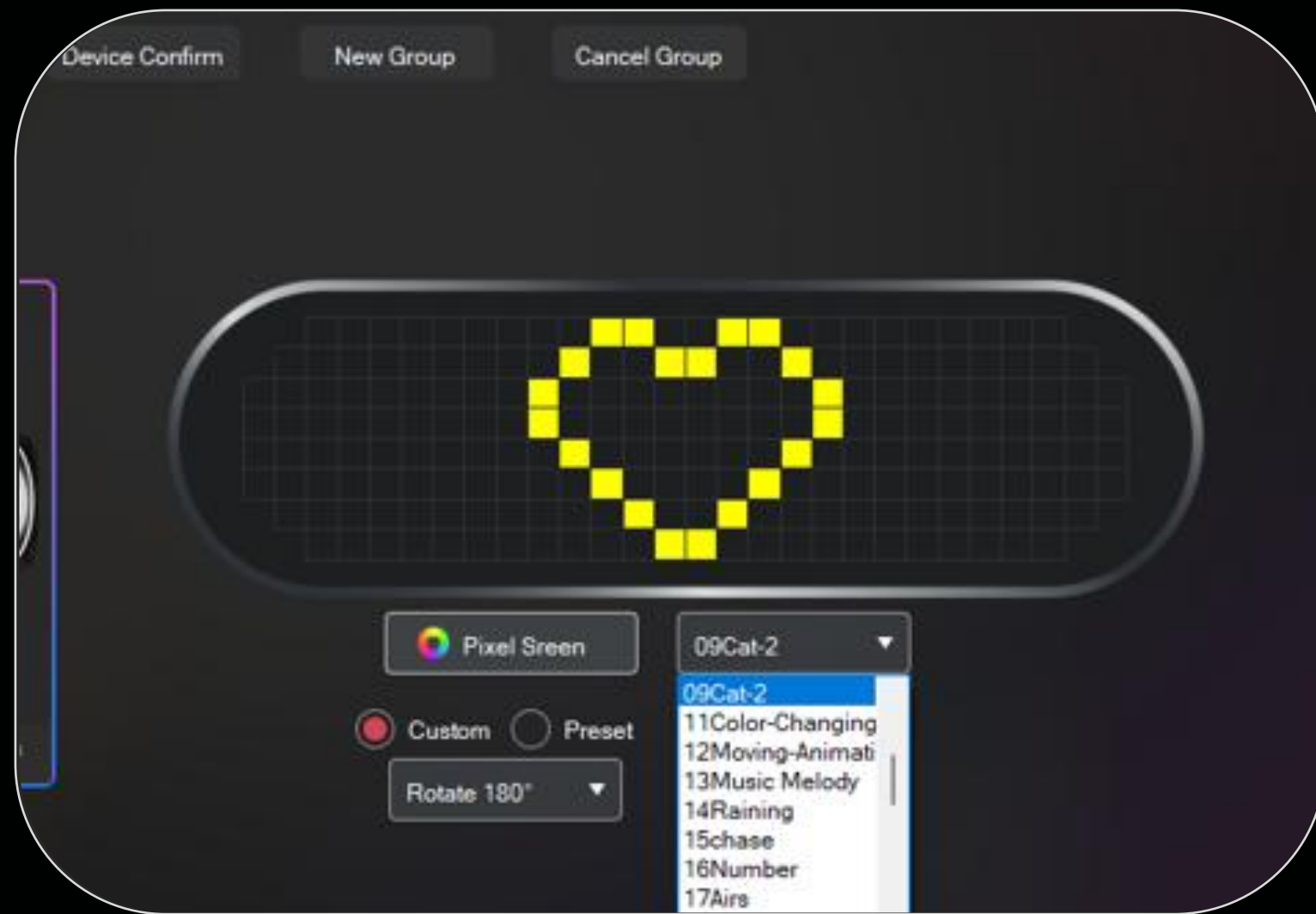
Pump Pixel Screen

16 x 16 Pixel



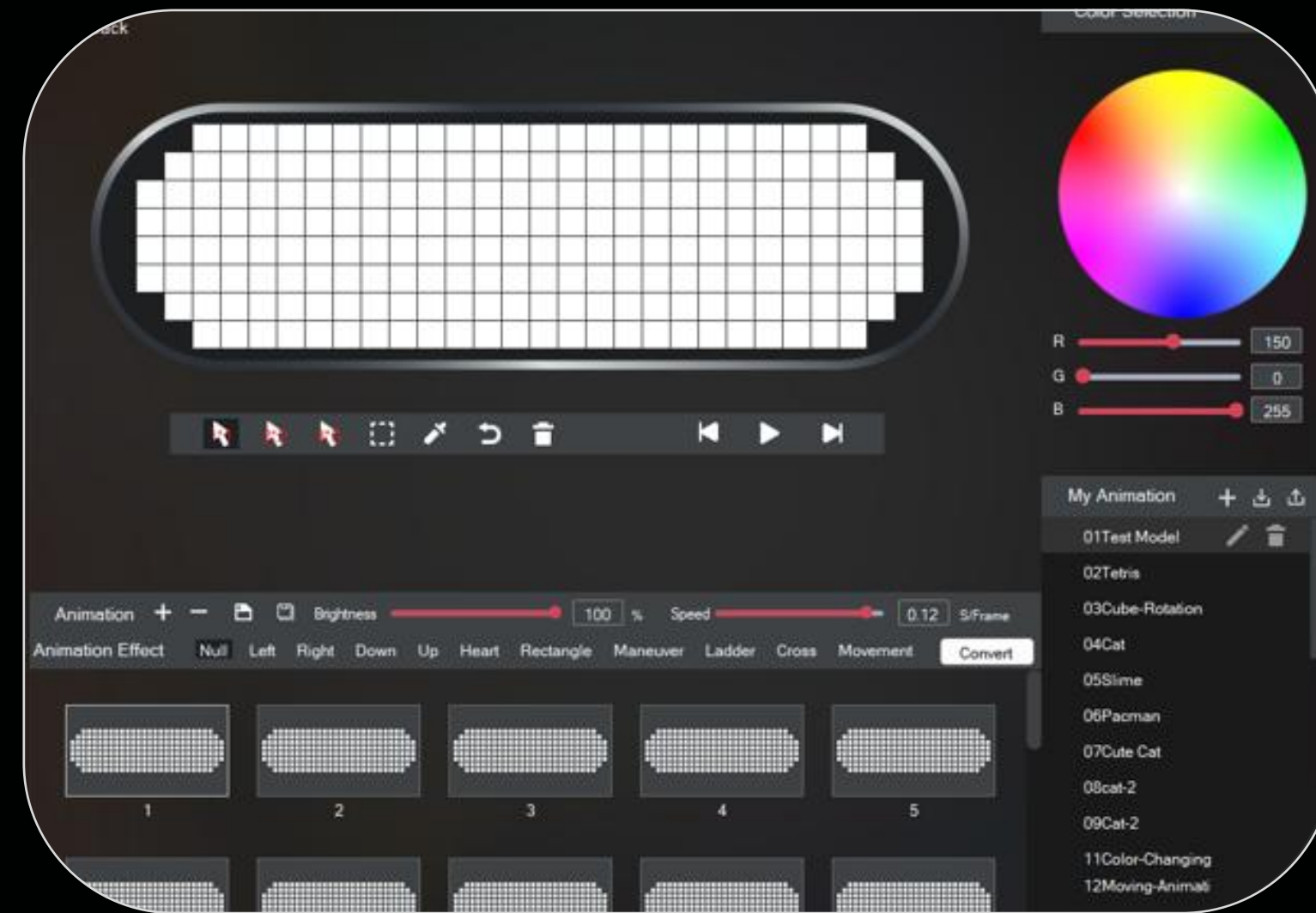
Fan Frame Screen

28 x 8 Pixel



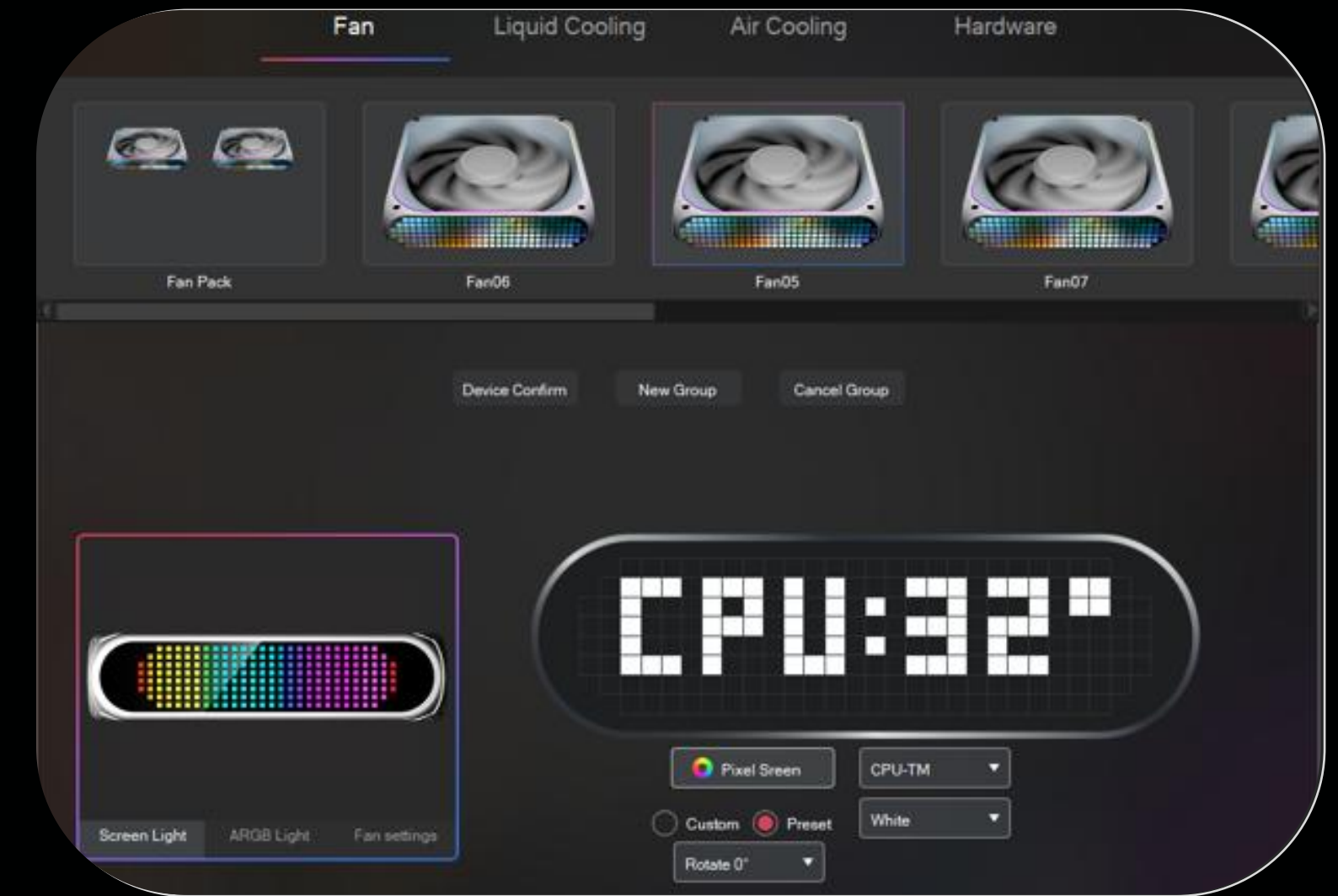
## Over 30 Preset Inspirations

Allowing gamers to freely fine-tune the display effects down to each pixel, bringing greater playability.



## Personalized Creation

Come with an intuitive drawing tool, from static to dynamic display, also supporting custom scrolling text for more expressive possibilities.

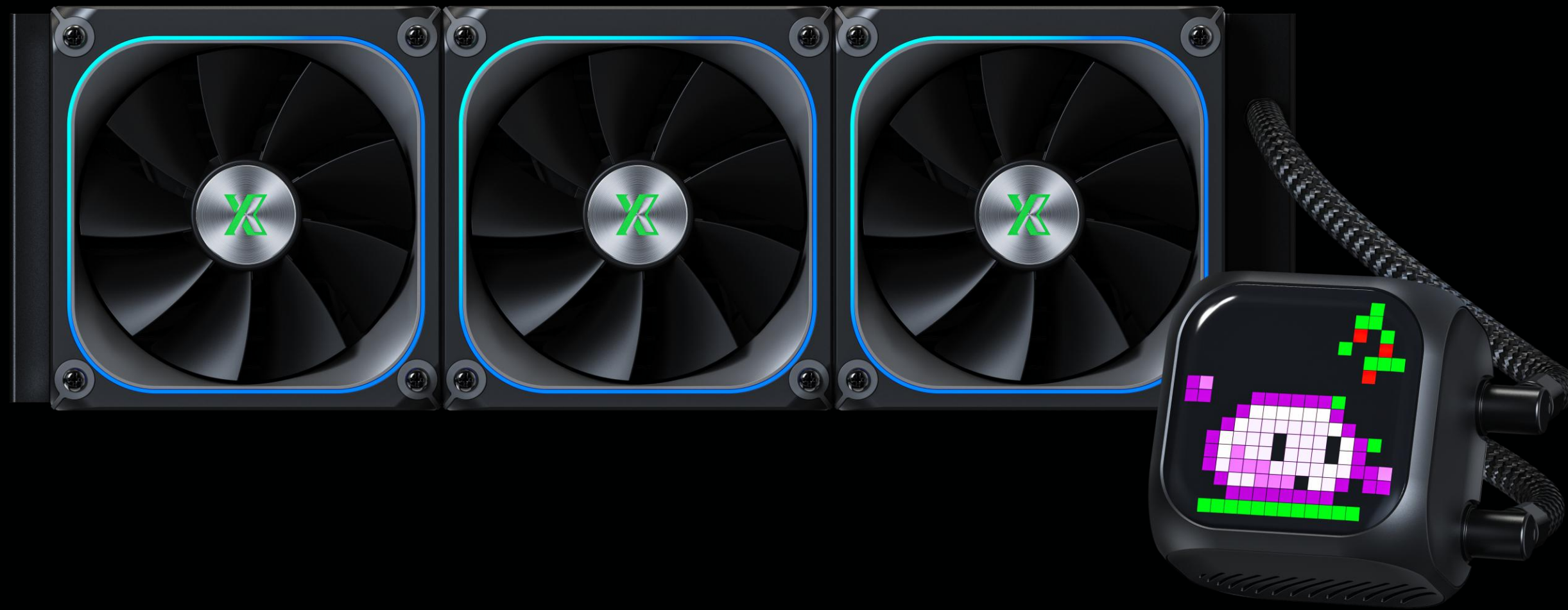


## Performance Monitoring

Display essential information such as date, time, core temperature, and fan speed in real time, presenting system data in a clear and intuitive way.

The pump adopts a rounded concave design, bringing a smooth and futuristic flow. Under the case's RGB lighting, it creates a visual focal point where light and shadow converge.





The all-new ARGB inspiration halo allows full customization and synchronization of lighting effects across components, allowing light effects to glow freely with inspiration.

Precision aluminum alloy cutout side frame, paired with a new hidden lighting effect design, delivers visual depth and futuristic aesthetics.





The pump adopts a ceramic bearing core solution, combined with a powerful three-phase six-pole motor and millimeter-level micro water channel structure, ensuring stable thermal performance even under long-term high-load conditions for efficient and consistent performance release.

## Ultra-Durable Ceramic Bearing

With the physical properties of ceramic material, it provides exceptional durability and stability, delivering a quiet and smooth operating experience.

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## 0.1mm Microchannel

High-precision flow distribution significantly increases the contact area between the coolant and the heat core, achieving ultra-efficient cooling performance.

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## Three-Phase Six-Pole Motor

Deliver high-efficiency power output, ensuring rapid coolant circulation within the system to enhance overall cooling performance.

# High-Performance Pump Core

600~3000±10%RPM

≤28dB(A)

Unlike conventional fixed-speed pumps, the newly designed PWM intelligent pump dynamically adjusts its speed based on CPU temperature, maintaining the perfect balance between noise and performance, built for next-level performance.

\*PWM pump function needs to be enabled in the motherboard BIOS.





## 60x60mm Large Copper Base

Made from high-purity oxygen-free copper for top-notch heat transfer and minimal thermal resistance, with superior oxidation resistance, ensuring stable and efficient cooling for the core.

Equipped with 28mm-thick FDB high-performance fans, featuring precision-tuned frame and blade design to increase intake and exhaust, delivering performance beyond expectations.

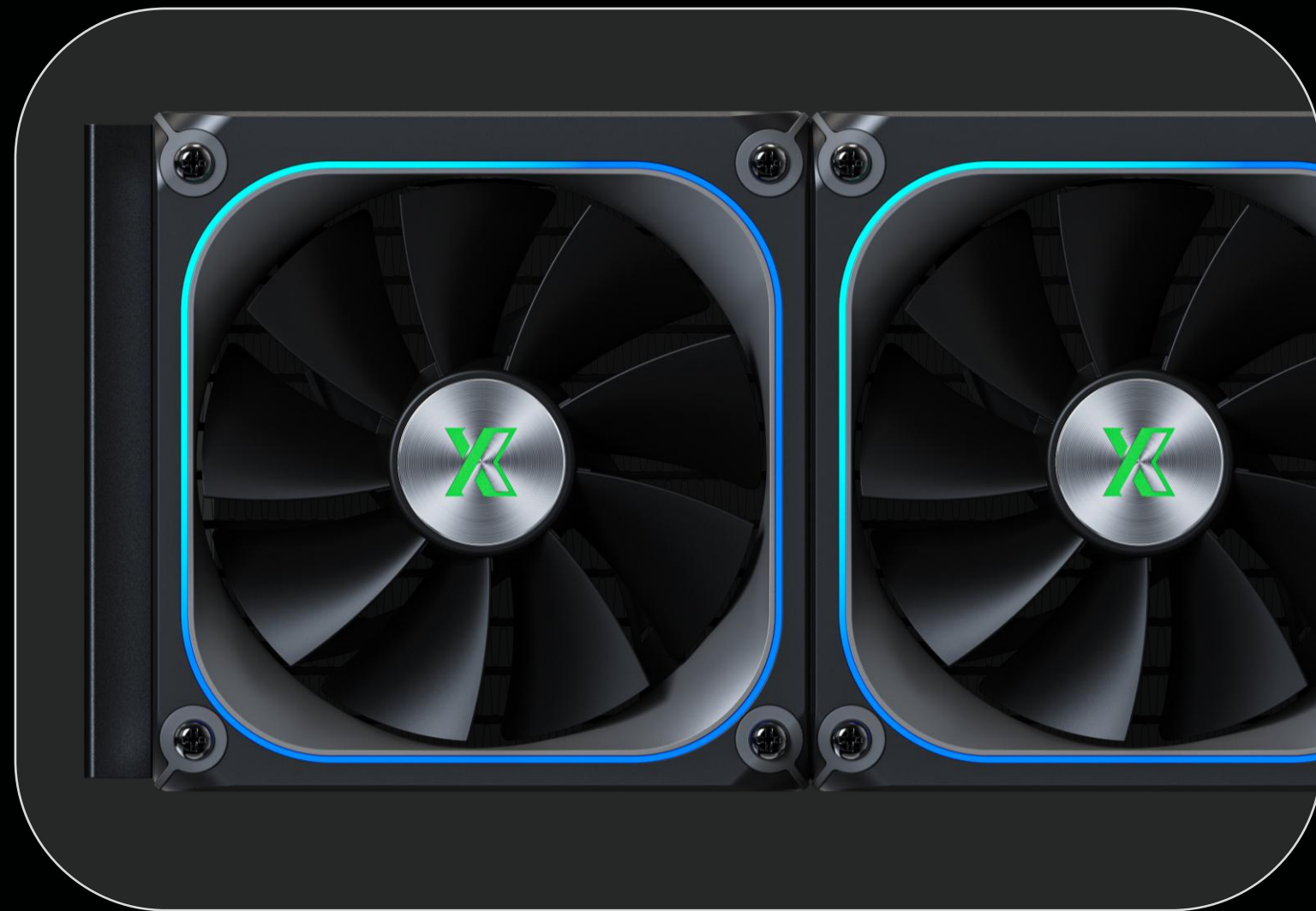
**Speed 800~2000±10%RPM**

**Air Flow 74.76CFM**

**Air Pressure 3.72mmH2O**

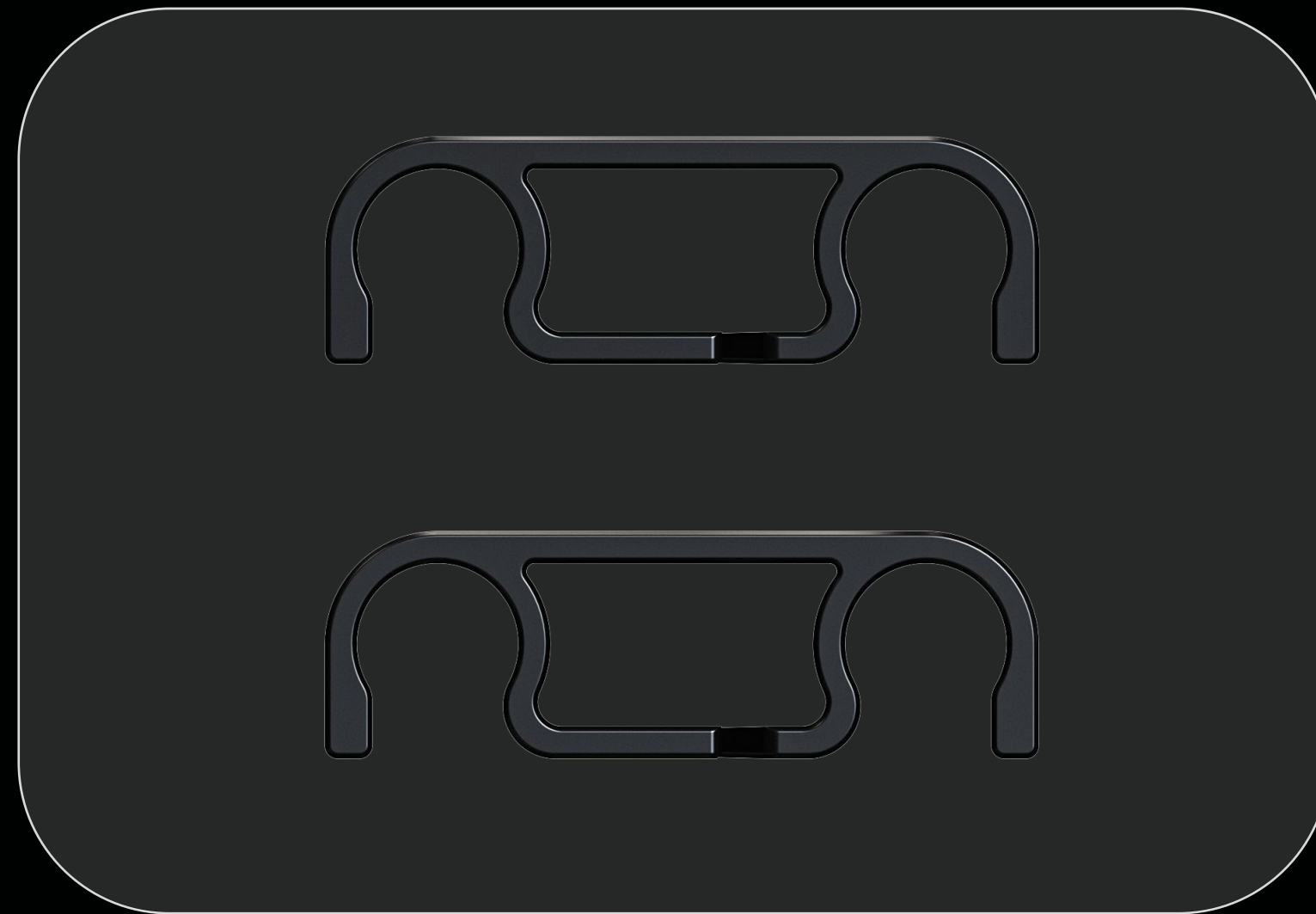
**Noise ≤33.9dB(A)**





### Pre-Installed Fans

The radiator fans come pre-installed, ready to use right out of the box.



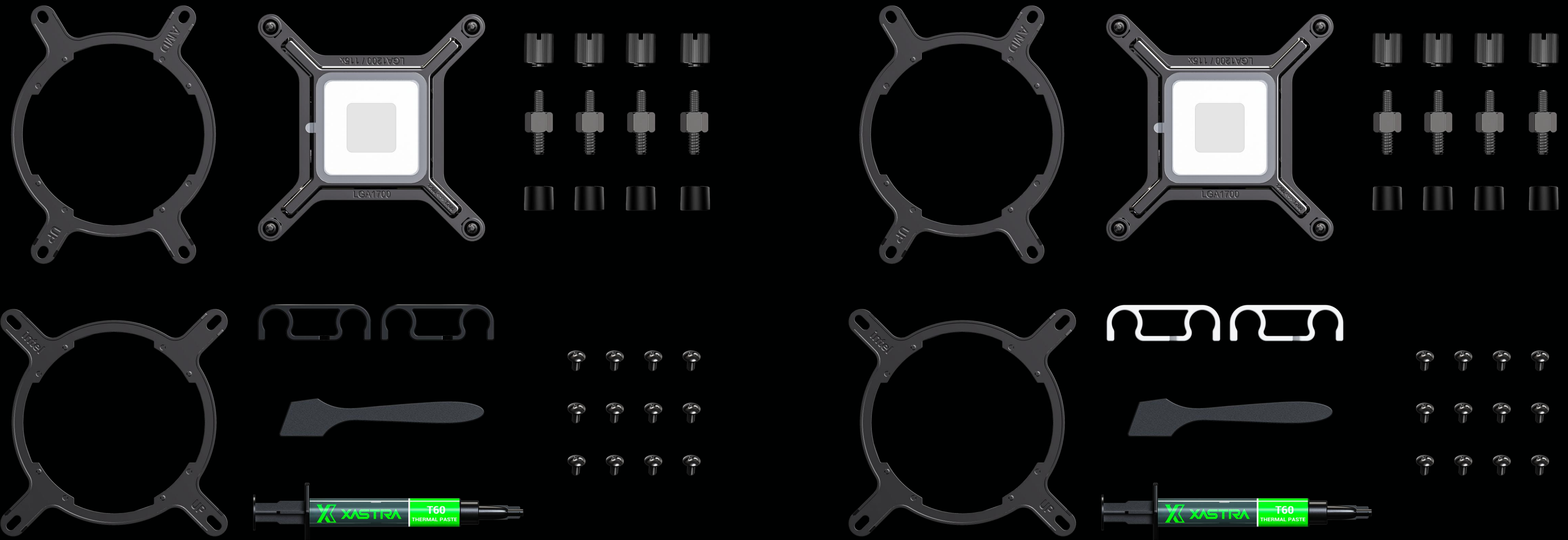
### Cable Management Clips

Effortlessly lock in liquid cooler tubes for a clean, tidy cable setup.



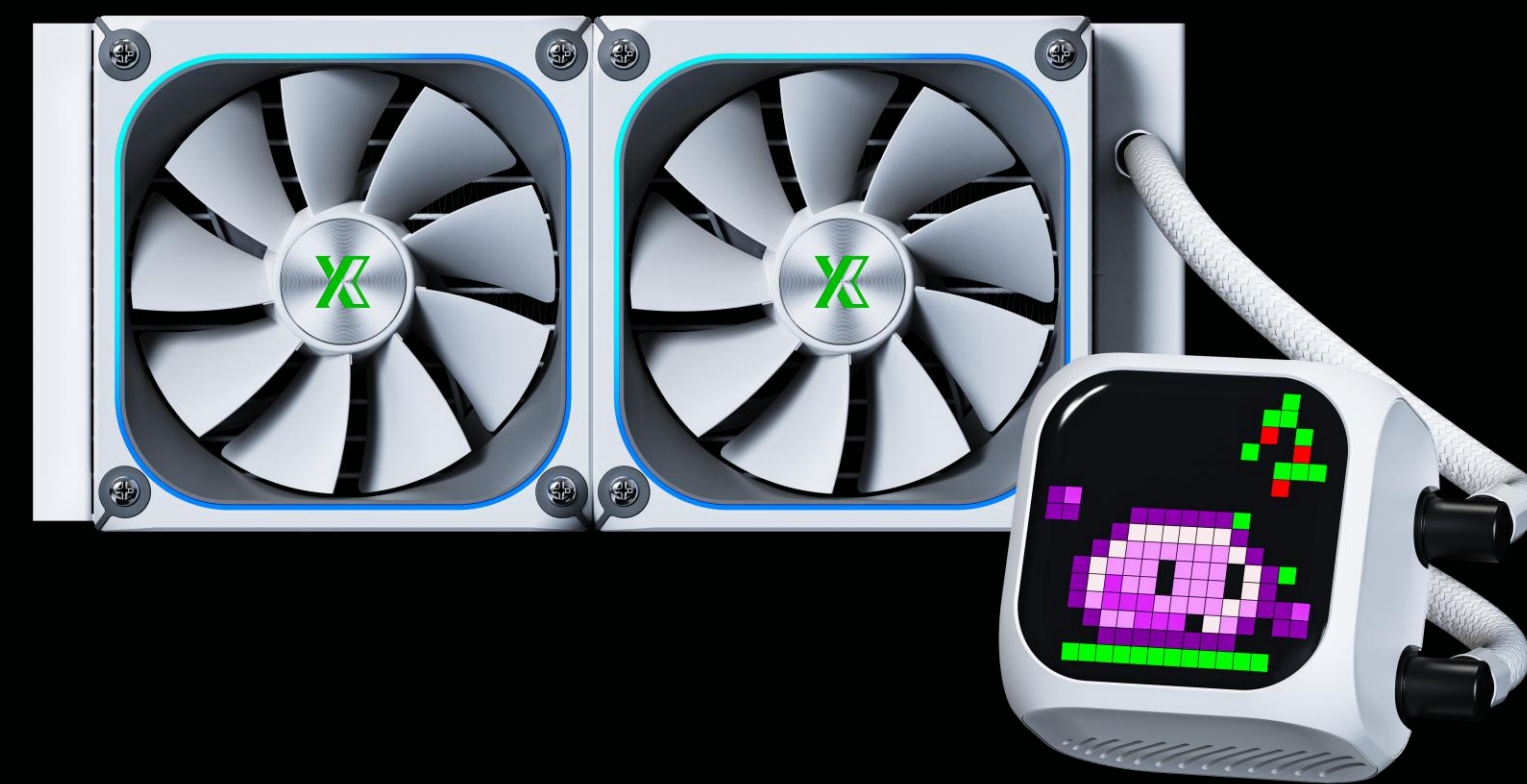
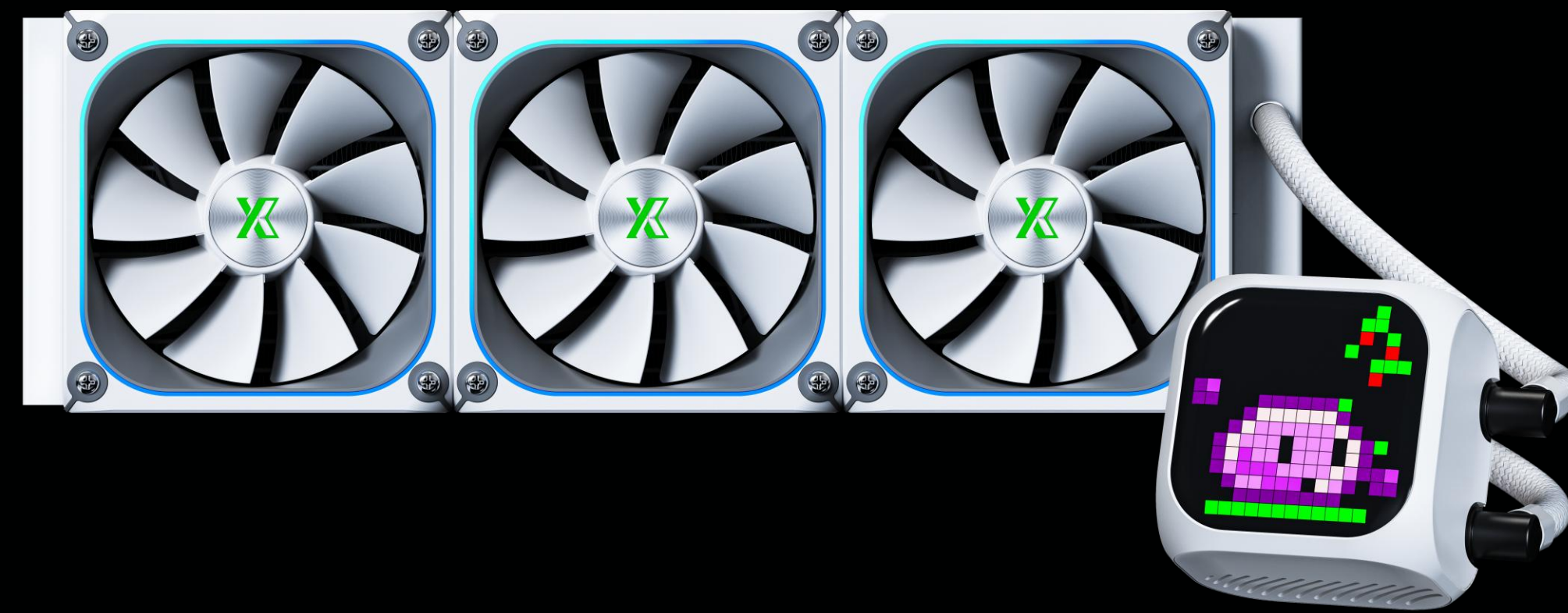
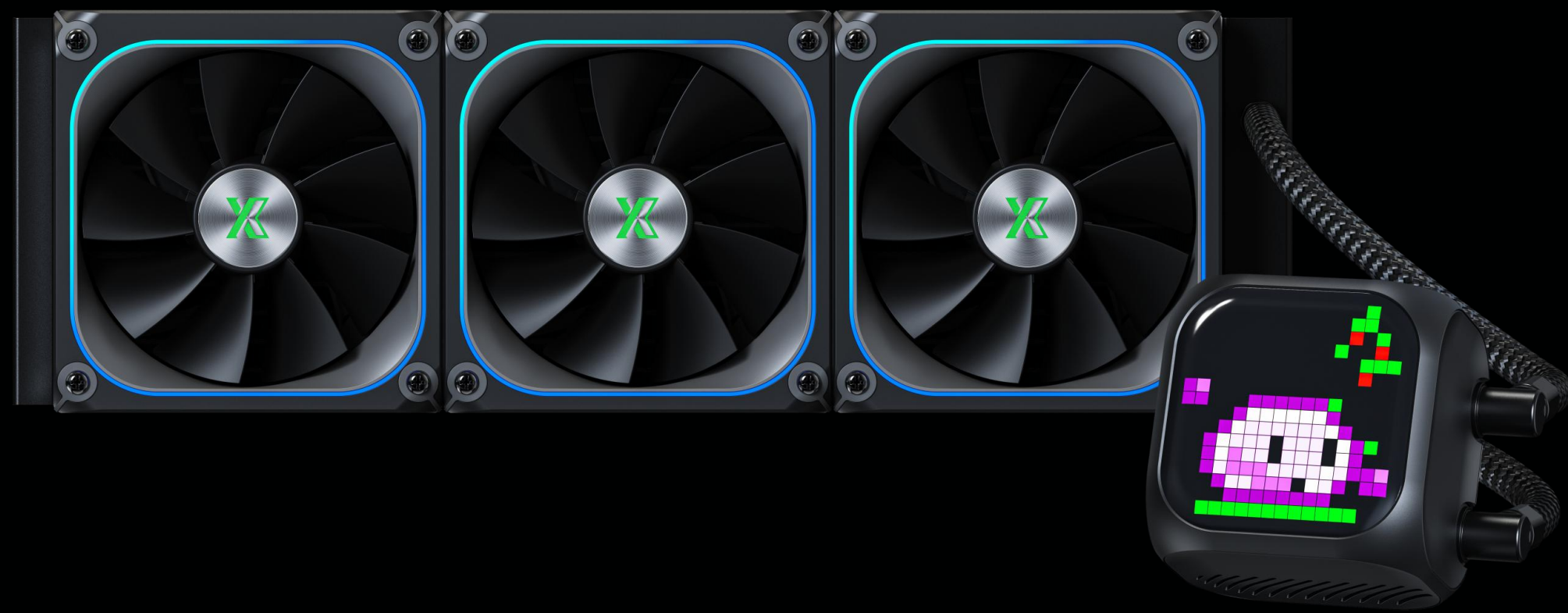
### Built-in Custom Controller

Come with a dedicated controller for Pixel Display, ARGB lighting, and PWM fan control.



Black Version

White Version



Model		Astra LZ360 ARGB
TDP		315W
CPU Socket		Intel LGA: 115X/1200/1700/1851 AMD: AM4/AM5
Tube		400mm
Fan Quantity		3
Net Weight		/
Pump Display	Type	16x16 Pixel
Fan Display	Type	28x8 Pixel
Radiator	Dimension	394x120x27mm
	Material	Aluminium
Pump	Dimension	70x70x65mm
	Speed	600~3000±10%RPM
	Noise	≤28dB(A)
	Connector	4-Pin+9-Pin
	Rated Voltage	/
	Rated Current	0.35A
	Power Consumption	/
	Bearing	Ceramic Bearing
	Motor	3-Phase 6-Pole
	MTBF	/
Fan	Dimension	124x120x28mm(L×W×H)
	Bearing Type	Fluid Dynamic Bearing
	Speed	800~2200±10%RPM
	Air Flow	74.76CFM
	Air Pressure	3.72mmH2O
	Noise	≤33.9dB(A)
	Rated Voltage	12VDC
	Rated Current	0.65A
	Power Consumption	7.8W
	Connector	9-Pin for PWM & RGB & Pixel Display
Fan LED	Type	Addressable RGB
	Rated Voltage	5VDC
	Rated Current	/
	Power Consumption	/

Model		Astra LZ240 ARGB
TDP		285W
CPU Socket		Intel LGA: 115X/1200/1700/1851 AMD: AM4/AM5
Tube		400mm
Fan Quantity		3
Net Weight		/
Pump Display	Type	16x16 Pixel
Fan Display	Type	28x8 Pixel
Radiator	Dimension	277x120x27mm
	Material	Aluminium
Pump	Dimension	70x70x65mm
	Speed	600~3000±10%RPM
	Noise	≤28dB(A)
	Connector	4-Pin+9-Pin
	Rated Voltage	/
	Rated Current	0.35A
	Power Consumption	/
	Bearing	Ceramic Bearing
	Motor	3-Phase 6-Pole
	MTBF	/
Fan	Dimension	124x120x28mm(L×W×H)
	Bearing Type	Fluid Dynamic Bearing
	Speed	800~2200±10%RPM
	Air Flow	74.76CFM
	Air Pressure	3.72mmH2O
	Noise	≤33.9dB(A)
	Rated Voltage	12VDC
	Rated Current	0.65A
	Power Consumption	7.8W
	Connector	9-Pin for PWM & RGB & Pixel Display
Fan LED	Type	Addressable RGB
	Rated Voltage	5VDC
	Rated Current	/
	Power Consumption	/