

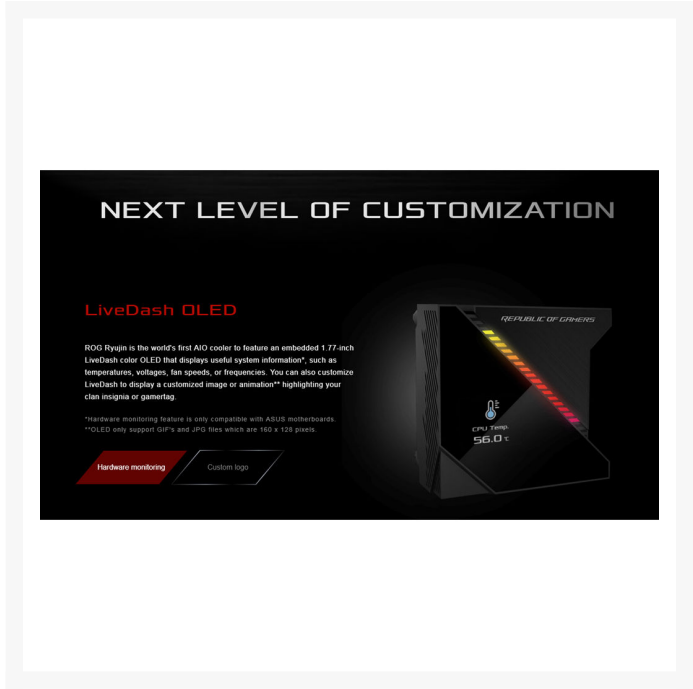


# ASUS Republic of Gamers Ryujin 240 Liquid CPU Cooler

\$239.95

## Product Images





## Short Description

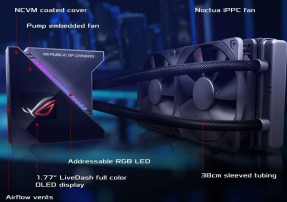
The Republic of Gamers Ryujin 240 Liquid CPU Cooler from Asus features a 240mm radiator and comes with two performance 120mm Noctua NF-F12 fans. Unlike other all-in-one CPU coolers, the Ryujin 240 features an embedded fan in its pump housing, which cools nearby components such as VRMS, M.2 slots, and circuitry. On top of that, the pump housing also has a built-in 1.77" LiveDash OLED display and AuraSync RGB LED lighting, which you can customize using the LiveDash software.

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ROG Republic of Gamers is an award-winning PC brand that has been recognized for its best-in-class performance. Featuring Noctua Industrial IPPC fans for cooling and power operation, and an embedded fan for the pump housing to add fluid cooling to the CPU water loop, ROG Republic has the most complete cooling in a single case. Coupled with a LiveDash OLED that displays system data or custom graphics and Aura Sync RGB lighting, ROG Republic is the ultimate thermal solution designed to become an integral part of your gaming rig.



## COOL TO THE CORE

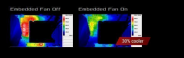


### Noctua Industrial IPPC fan

ROG Republic has thermal challenges of the latest multi-core CPUs with relative quiet Noctua IPPC (Industrial Performance Case) fans in the solution that deliver top performance and low noise operation. The 118 mm fan provides 122 m<sup>3</sup>/h of airflow at 1200 RPM yet an extremely efficient with a 23.4 dBA acoustic response that's well below the acceptable limit.

### Pump embedded fan

While powerful, liquid cooling does not circulate air around the CPU cooler for a traditional fan-based air flow. ROG Republic addresses this challenge with a custom pump embedded fan. The fan is mounted directly on the pump housing, M.2 slot and surrounding components to dramatically reduce temperatures for improved performance and stability.

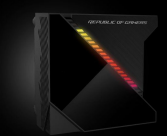


## NEXT LEVEL OF CUSTOMIZATION

### LiveDash OLED

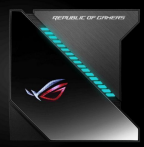
ROG Republic is the world's first case to feature an embedded 1.77 inch LiveDash OLED that displays system information\* such as temperature, voltage, fan speeds, or frequency. You can also customize LiveDash to display a custom image or animation\*\* by uploading your own images or animation.

\*Requires monitoring software to only compatible with AMD motherboards.  
\*\*OLED only support GIF and PNG file which are 128 x 128 pixels.



### Complete LiveDash customizability

The LiveDash software utility lets you easily customize ROG Republic LiveDash OLED display with RGB lighting effects. Select which custom data to monitor, choose personalized CPU and memory display, and control RGB lighting from an intuitive interface that supports settings to keep in step with your live system.



### Subtle, striking, sleek

Infused with Aura Sync lighting, it elegantly blends perfectly in the sleek, thin design to almost glow the highlights the CPU at the heart of your build.



### PERFECT SYNCHRONIZATION

The impact of Aura Sync lighting can be further enhanced with ASUS Aura Sync, which allows for synchronized lighting effects with other Aura-enabled system components and external accessories. Aura software gives you complete control of lighting across all compatible devices, setting you up in the way you want to display quality and unity.

\*As shown, requires ASUS Aura Sync Edition.  
\*\*Requires Aura Sync Edition.



## EXTENDED COMPATIBILITY

ROG Republic is compatible with a wide range of Intel and AMD motherboard platforms, giving you the flexibility to pair it with your choice of processor. It also comes fitted with 38cm of tubing to make routing and cooling easy.

- CPU socket support**
- Intel: LGA 1150, 1155, 1156, 1159, 1166, 1200, 1201, 1201A, 1206
  - AMD: AM4, TR4  
The mounting bracket is included with the processor package.

### Noctua Industrial PPC Fan

The ROG Ryujin comes with two industrial-grade 120mm Noctua NF-F12 fans that capable of running up to 2000 rpm to deliver 122 CFM of airflow with a 29.7 dBA rating.

### Pump Embedded Fan

Traditional liquid CPU coolers don't circulate air around the CPU socket, so the ROG Ryujin features an embedded fan in pump housing to cool nearby VRMs, M.2 slots, and circuitry.

Embedded Fan Details:

OLED Display: 1.77" Full Color OLED Speed: 4800 rpm +/- 10 %

Air Pressure: 3.94mm H2O

Air Flow: 19.41 CFM

Noise: 31 dBA

### LiveDash OLED

Aside from the embedded fan, the pump housing also has a 1.77" LiveDash color OLED display that can display useful system information such as temperatures, voltages, fan speeds, and more. You can also customize it using the LiveDash software utility to display an image or animation, up to 160 x 128 pixels big. Aside from the LiveDash OLED display, there's also a small strip of customizable RGB LED lighting, which you can sync with other AuraSync items for extra flair.

## Specifications

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### ASUS ROG Ryujin 240 Specs

Cooler Type	CPU Liquid Cooler
Bearing Type	SSO-Bearing
Connectors	4-Pin
Control Method	PWM (Pulse Width Modulation)
Fan Size	120 mm
Fan Speed	450 to 2000 rpm
Noise Level	29.7 dBA
LED	RGB

Maximum Airflow 121.8 CFM

Cooling

Packaging Info

Package Weight 5.095 lb

Box Dimensions (LxWxH) 14.05 x 9.3 x 5.45"

ROG RYUJIN 240

Water Block

Water block dimension: 100 x 100 x 70 mm

Block Material (CPU Plate): Copper

Embedded FAN YES

- Speed: 4,800 RPM +/- 10%

- Air Pressure: 3.23 mmH2O

- Air Flow: 19.41 CFM

- Noise: 31 dB(A)

AURA Sync: Yes

Radiator

240mm

Radiator Dimension: 272 x 121 x 27 mm

Radiator Material: Aluminum

Tube: Sleeved Rubber tube

Tube Length: 380 mm

Fan

Fan: Noctua NF-F12 IndustrialPPC 2000 PWM Fan

- Size: 2 x Fan Slots (120mm)

- Dimension: 120 x 120 x 25mm

- Speed: 450 - 2000 RPM +/- 10%

- Static Pressure: 3.94 mmH2O

- Air Flow: 71.6 CFM / 121.8 m3h

- Noise: 29.7 dB(A)

- Control Mode: PWM/DC

Display

1.77" Full Color OLED

Compatibility

Intel: LGA 1150, 1151, 1152, 1155, 1156, 1200, 1366, 2011, 2011-3, 2066

AMD: AM4, TR4\*

Package Content

1 x Liquid Cooler (pre-applied thermal compound)

2 x 120 mm Radiator Fan

1 x Accessory Pack of Screws and brackets

1 x Quick Start Guide

Warranty

3 years

Note

\*The mounting bracket is bundled with TR4 CPU Package

## Additional Information

Brand	ASUS
SKU	ROG RYUJIN 240
Weight	12.0000
Block CPU Type	Intel/AMD
Pump Type	Other
Radiator Size	240 (2 x 120mm)
Radiator Thickness	27mm

### Awards

(8)

tweakpc.de

#### Design Award

In a nutshell, the ASUS Ryujin provides a great look and good cooling performance. If you are looking for an individual AIO with high quality features, you should definitely take a look at the ASUS ROG Ryujin 240.

GERMANY 2020/08/10

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Profesional Review

#### Platinum

The taste has been very sweet and its OLED screen is a real step in terms of customization and system monitoring.

SPAIN 2019/02/23

[More](#)

Computer Shopper\*

#### 4/5 RECOMMENDED

"With this AIO, you'll come for the customisable OLED display but stay for its impeccable cooling."

UNITED KINGDOM 2019/03/12

[More](#)

Donanim Haber

#### Innovative Design

The Asus ROG Ryujin is a good, but naturally luxurious AIO solution at a price of 1400 lira, which can be preferred for those who prioritize something luxurious but beautiful like maximum silence and display.

TURKEY 2019/09/02

[More](#)

Internet Reviews

www.ddworld.cz

#### DD's Recommended

Both models (Ryuo and Ryujin) have an extra feature that you practically won't find on any other AiO in the market. And that is OLED display, which can display many things. ASUS bet on a special design and super quality fans, and it's a lot to know about the price. It is high, the price/performance ratio of both ASUS AiO coolers is definitely not a strong point, but if you don't mind, then I recommend it.

CZECH REPUBLIC 2019/03/05

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hitpoint.cz

#### HITPOINT Sticker of Quality

As for the Ryujin, the design of the cooler has generally disappointed me, looking more like a cheaper version of Ryuo. On the other hand, it has a much quieter run that is ensured by a pair of Noctua coolers. Ryujin has greater efficiency than Ryuo through AIR Flow. Result of the measurements was beautiful and sustainable in this case 63 degrees, which is relatively decent for tested clock and processor.

CZECH REPUBLIC 2019/02/26

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PCAXE

#### AXE Platinum

ROG fans will like absolutely everything.

SERBIA 2019/02/01

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www.technews.lt

#### Perfect

The ROG Ryujin 240 features great build quality and works flawlessly

LITHUANIA 2019/04/10

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