120mm Hub-Mounted RGB Fan

$19.99

Customize

Color: Matte White

Series: RGB

F120 RGB Core

Compatible Products

Case Mods

H7 (2022)

Color: Matte Black

+ $129.99

Buy

QTY 1

Add to Cart

Built to order. Ships by 03/19/23

Delivery

Return Policy: Within 21 Days

Warranty Policy: 1 Year Warranty

Have questions?

Our experts are ready to help.

Chat Now

Buy Together

Take your build to the next level with expert recommended products

F120 RGB Core

Hub-Mounted Fan

Matte White

+ $19.99

RGB & Fan Controller (2022)

RGB Lighting & Fan Speed Control

Matte Black

$49.99

Total: $54.98

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Overview

Details

The F Series RGB Core Fans offer brilliant lighting with eight individually addressable RGB LEDs and premium cooling with high static pressure.

- Eight individually addressable LEDs mounted on the fan hub are perfectly diffused through the semi-translucent blades for a sublime lighting effect.
- A refined hub and blade design offer enhanced static pressure by pushing air through your radiator while providing great airflow. This allows for superior heat dissipation when paired with a liquid cooler or heatsink and used as intake, or exhaust.
- Personalized lighting combinations through NZXT CAM software.
- Seamlessly sync it with all your compatible NZXT lighting accessories.
- The PWM-controlled fan allows speed adjustment, offering the best cooling possible without compromising noise level.
- Fluid Dynamic Bearings deliver high rotational stability while reducing bearing noise and increasing fan lifespan up to 60,000 hours.
- Anti-vibration rubber corners dampen vibration noise at any speed.

Inside the Box

120mm RGB Fan	1
Mounting Screws	4

Sublime RGB Lighting

8 individually addressable RGB LEDs mounted on fan hub are diffused through the semi-translucent blades.

Optimized Design

Fan hub and blades deliver high airflow and static pressure for both intake or exhaust locations.

Fluid Dynamic Bearing

Ensures low noise, high rotational stability, and a 60,000-hour fan lifespan.

PWM Control

Adjusts fan speed for optimal cooling only when needed for a quiet, efficient experience.

Silent and Stable

Anti-vibration rubber corners and the sturdy frame provide quiet and stable operation.

NZXT CAM

Customize with CAM

Control fan curves and speeds, personalize RGB lighting effects, and sync with other NZXT lighting products.

Tech Specs

KEY SPECS

Material: Plastic, rubber, PCB

Fan Rated Voltage: 12 V DC, 0.2 A, 2.4 W

LED Quantity: 8

Bearing: Fluid Dynamic Bearing (FDB)

Fan Connector: 4-pin PWM

DIMENSIONS

Height: 120mm

Width: 120mm

Depth: 26mm

COOLING

Speed: 500-1,800 ± 180 RPM

Airflow: 78.86 CFM

Static Pressure: 2.57 mm H2O

Noise: 33.88 dBA

Bearing: Fluid Dynamic Bearing

Power Consumption: 12 V DC, 0.2 A, 2.4 W

Connector: 4-pin PWM

Output LED: 8 LEDs

Connections & Cable Length (PWM): 4-pin PWM Fan Cable – 500mm x1

Connections & Cable Length (NZXT): 4-pin NZXT RGB Cable – 600mm x1

FAN LIFE

Hours: 60,000

Years: 6

GENERAL

Warranty: 2 years

Model Number: RF-C120F-W1 (White), RF-C120F-B1 (Black)

UPC: 810074043334 (White) // 810074043327 (Black)

EAN: 5056543202974 (White) // 5056543202969 (Black)

System Requirement: PC with available NZXT RGB lighting connector and NZXT CAM compatible system. Controller sold separately. Some CAM features require internet access, a valid email address, and acceptance of our current Terms of Service.

Questions And Answers

13 answered questions

Ask a question

jan 05/03/20

Q: what RGB connector does it use

A: Hello Jake,

The F120 RGB Core fan uses a standard RGB header that can be connected to any motherboard and controlled through the motherboard software. Or you can connect the fan to one of our controllers and control the fan through NZXT CAM.

Please feel free to reach out if you have any further...

Read more

By NZXT

Mike 12/08/20

Q: Is this compatible with the NZXT H9 Flow ATX Mid Tower Case

A: Hi Mike,

Thank for your interest in the F120 RGB Core! Yes the fan is compatible with the H9 Flow! Just note you'll need to connect the RGB portion of the fan to your motherboard's 5v/RGB header and use the module RGB software to control it.

If you have any other questions or conc...

Read more

By NZXT

Mike 12/09/20

Q: Does this fan work as cpu air cooler?

A: Hi Mike,

Thanks for your interest in the F120 RGB Core! This will work with certain aircoolers, so long as it can be mounted properly.

By NZXT

Tom 11/24/20

Q: I have an H5 flow rgb and i want to add another fan to have more rgb, do i need to have a separate controller or do i just need to connect the fan to the motherboard?

A: Hi Tom,

Thank you for your interest in the F120 RGB Core, if you have another RGB header available with the controller the case came with you won't. Otherwise, you'll want another controller or connect the fan to your 5v ARGB header. If you have any other questions reach out to us !...

Read more

By NZXT

Steven 10/06/20

Q: I have this fan and so more RGB slots in NZXT controller, can i plug RGB to motherboard somewhere? I have Aurus B450 elite an

A: Hi Steven,

Sorry for the trouble you're having with the F120 RGB Core! If you've run out of ports on your controller, you'll need to use another controller to add the extra fan. We apologize for any inconvenience this may have caused. If you have any other questions reach out to u...

Read more

By NZXT

Timothy 09/07/20

Q: will you make a single core fan that uses the 6pin connector for the new hub?

A: Hi Timothy,

Thanks for your interest in the F120 RGB Core! No plans of the new connector at this moment, but this may change in the future!

If you have any other questions or concerns feel free to reach out to our tee support.

By NZXT

Scott 08/31/20

Q: Sorr done this not come with an adapter for those who do not the proprietary connector??? the 360 does ....what are my options other then buying a proprietary hub?

A: Hi Scott,

These fans would be compatible with most modern 5v RGB headers on the motherboard and would not require a controller or an adapter as this does not have a proprietary connector. With this in mind, however, you would control the RGB through the motherboard software rather than CAM.

Pla...

Read more

By NZXT

Shadab Ali 08/31/20

Q: Can I use this as a reverse fan ? And will it cover the rgb?

A: Hi Shadab,

Unfortunately, we do not have a way to reverse the fan within settings, however, you can just flip the fan around depending on if you want intake or exhaust. As the RGB is on the fan blades, it would not be covered and would be visible from either side.

Please feel free to reach out ...

Read more

By NZXT

1 2 >

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DOCUMENTATION

Product Manual

1.5MB (pdf)

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