

# NZXT

## F SERIES RGB CORE

240MM | 280MM | 360MM  
SINGLE-FRAME RGB FAN UNIT





## ABOUT THE PRODUCT

NZXT F Series RGB Core single-frame fans combine multiple fans in one design for streamlined installation, cooling, and control.

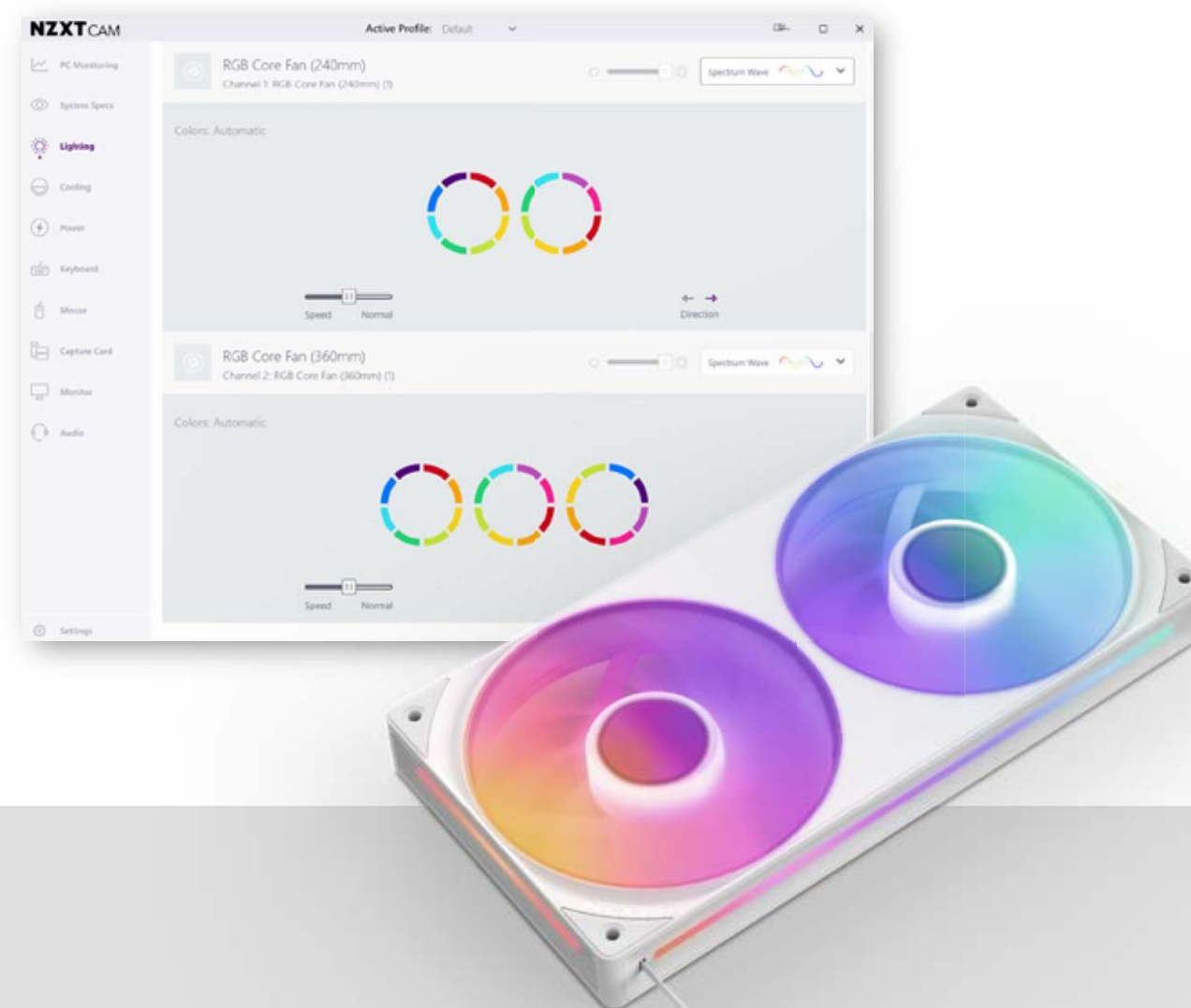
PWM fans with fluid dynamic bearings ensure efficient performance with minimal noise, while customizable RGB LEDs illuminate through the blades for a captivating effect.



## HIGH PERFORMANCE. LOW NOISE.

Optimized for cooling, the integrated fans balance airflow and static pressure. Minimal blade-to-edge gap boosts efficiency. Fluid dynamic bearings with Zero RPM Mode\* ensure quiet, durable operation.

\*Requires an NZXT RGB & Fan Controller or NZXT motherboard, each sold separately.



## SIMPLE INSTALLATION

Single-frame design simplifies installation and digital control. Connect a single cable to an NZXT RGB & Fan Controller (sold separately) to use CAM software or use the included splitter for motherboard connection.



## RADIANT RGB

Eight RGB LEDs per fan illuminate semi-translucent blades. Personalize and sync lighting with NZXT CAM\* for a unified NZXT product aesthetic.

\*Requires an NZXT RGB & Fan Controller or NZXT motherboard, each sold separately.

## SPECIFICATIONS



○ White ● Black



**F240** RGB CORE



**F280** RGB CORE



**F360** RGB CORE

<b>DIMENSIONS</b>	240 x 120 x 26 mm	280 x 140 x 26 mm	360 x 120 x 26 mm
<b>SPEED</b>	500 - 2,400 ± 250 RPM per fan	500 - 2,000 ± 200 RPM per fan	500 - 2,400 ± 250 RPM per fan
<b>AIRFLOW</b>	75.12 CFM per fan	98.61 CFM per fan	75.12 CFM per fan
<b>STATIC PRESSURE</b>	3.3 mm H <sub>2</sub> O per fan	3.2 mm H <sub>2</sub> O per fan	3.3 mm H <sub>2</sub> O per fan
<b>NOISE</b>	30 dBA per fan	34.5 dBA per fan	30 dBA per fan
<b>POWER CONSUMPTION</b>	12 V DC, 0.56 A, 6.72 W	12 V DC, 0.59 A, 7.08 W	12 V DC, 0.79 A, 9.48 W
<b>BEARING</b>	Fluid Dynamic Bearing		
<b>OUTPUT LED</b>	8 LEDs per fan		
<b>CONNECTOR</b>	8-pin for PWM & RGB		
<b>CABLE LENGTH</b>	1 x 600 mm		
<b>MATERIAL</b>	Plastic, Rubber, PCB		
<b>LIFE</b>	60,000 Hours		
<b>ADAPTER CABLE CONNECTIONS &amp; CABLE LENGTH</b>	4-pin PWM Fan Cable - 1 x 300 mm 5V RGB & 4-pin NZXT RGB Cable - 1 x 100 mm		
<b>WARRANTY</b>	2 Years		

**PACKAGING INFO.**



**F240 RGB CORE**



**F280 RGB CORE**



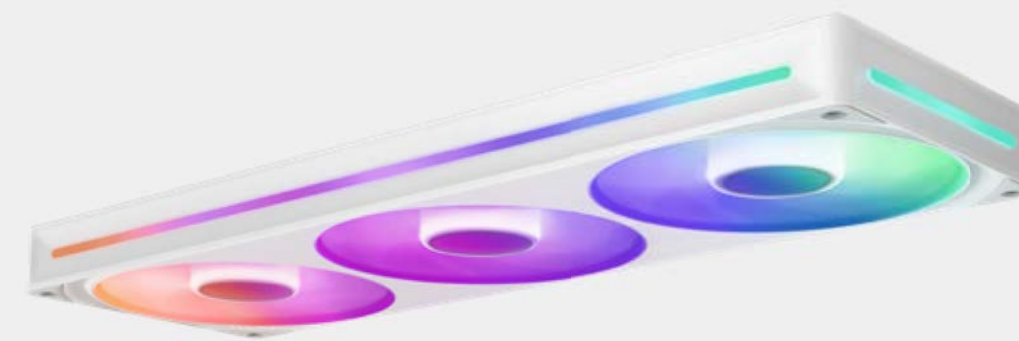
**F360 RGB CORE**



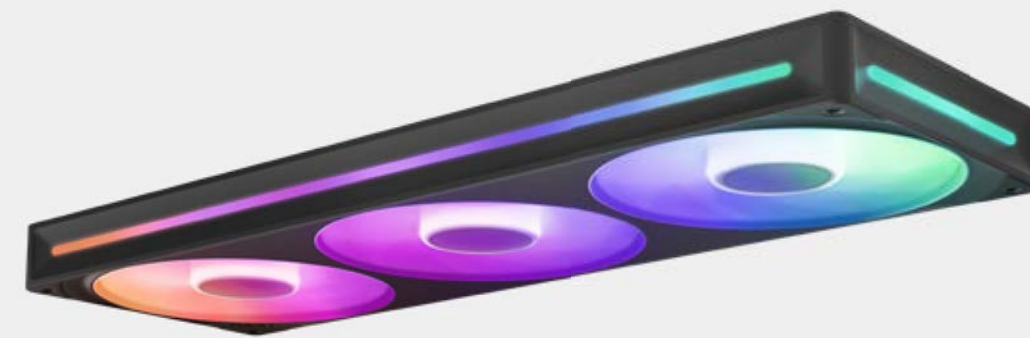
<b>Unit (RETAIL BOX)</b>						
Dimensions	282 x 128 x 32 mm		322 x 148 x 32 mm		402 x 128 x 32 mm	
Net Weight	321.8 g		427.9 g		469.34 g	
Gross Weight	419.75 g		545.45 g		596.4 g	
<b>Carton</b>						
Dimensions	358 x 300 x 290 mm		360 x 320 x 350 mm		420 x 358 x 290 mm	
Units Per Carton	20 pcs		20 pcs		20 pcs	
Volume (CUFT)	1.1 ft <sup>3</sup>		1.42 ft <sup>3</sup>		1.54 ft <sup>3</sup>	
Net Weight	6.44 Kg		8.56 Kg		9.38 Kg	
Gross Weight	9.15 Kg		11.8 Kg		12.97 Kg	
<b>Sea Ship W/O Pallet</b>						
20GP	805 cartons		612 cartons		560 cartons	
40GP	1652 cartons		1296 cartons		1169 cartons	
40HQ	1888 cartons		1512 cartons		1336 cartons	
<b>Sea Ship with Pallet</b>						
20GP	54 cartons x 10 pallets = 540 cartons		45 cartons x 10 pallets = 450 cartons		36 cartons x 10 pallets = 360 cartons	
40GP	54 cartons x 21 pallets = 1134 cartons		45 cartons x 21 pallets = 945 cartons		36 cartons x 21 pallets = 756 cartons	
40HQ	63 cartons x 21 pallets = 1323 cartons		54 cartons x 21 pallets = 1134 cartons		42 cartons x 21 pallets = 882 cartons	
<b>Air Ship with Pallet</b>						
Pallet size (LXWXH)	120 x 100 x 135 cm		120 x 100 x 159 cm		120 x 100 x 135 cm	
	36 cartons/pallet		36 cartons/pallet		24 cartons/pallet	
	<b>Black</b>	<b>White</b>	<b>Black</b>	<b>White</b>	<b>Black</b>	<b>White</b>
<b>Model Number</b>	RF-U24HF-B1	RF-U24HF-W1	RF-U28HF-B1	RF-U28HF-W1	RF-U36HF-B1	RF-U36HF-W1
EAN	5056547204390	5056547204406	5056547204413	5056547204420	5056547204437	5056547204444
UPC	810074844482	810074844499	810074844505	810074844512	810074844529	810074844536

PRODUCT GALLERY

White



● Black



COMPARISON CHART

240MM | 360MM SINGLE-FRAME RGB FAN UNIT

Brand	NZXT		CORSAIR		CORSAIR		COOLER MASTER		ASIA HORSE		COOLER MASTER		LIANLI		PHANTEKS	
Product Name	F RGB Core Fan		iCUE AF120 RGB ELITE		SP Elite		SICKLEFLOW 120 ARGB		Matrix		MasterFan SF		UNI FAN SL V2		D30 - 120	
Product Image																
Pack	240	360	Single	Triple	Single	Triple	Single	Triple	240	360	240	360	Single	Triple	Single	Triple
<b>PRICING</b>																
Global MSRP	\$54.99	\$79.99	\$24.99	\$89.99	\$24.99	\$79.99	\$19.99	\$59.99	34.99	44.99	63.38	75.99	B: 26.99 W: 29.99	\$89.99	\$29.99	\$89.99
<b>SPECIFICATIONS</b>																
Dimensions	240x120x26	240x120x26	120x120x25 mm		120x120x25 mm		120x120x25 mm		240x240	360x360	240x240	360x360	120 X 120 X 28		120x120x30 mm	
Speed Control	PWM		PWM		PWM		PWM		PWM		PWM		PWM		PWM	
Fan Quantity	2	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3
Color	Available in Black and White		Available in Black and White		Available in Black and White		Available in Black and White		Available in Black, White & Pink		Available in Black		Available in Black and White		Available in Black and White	
Bearing	FDB		FDB		Hydraulic		Rifle Bearing				Rifle Bearing		FDB			
LED quantity	8 LEDs		8 LEDs		8 LEDs		6 LEDs		48 LEDs	56 LEDs	18 LEDs	24 LEDs	N/A		30 LEDs/Fan	
Rubber Dampers	Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
Controller	No, Include PWM Cable		No	6 RGB Ports	No	6 RGB Ports	No	Daisy Chain 1 RGB Port	Daisy Chain 1 RGB Port		Daisy Chain 1 RGB Port		4x 6-PIN ports		No controller 5V RGB, with extensor	
Speed	500-2,400 ± 250 RPM per fan		2100 RPM ±10%		1500 ±10% RPM		1800 RPM ± 10%		1800 RPM		2000 RPM	1800 RPM	2000 RPM		200 - 2000 RPM	
Airflow	75.12 CFM per fan		65.57 CFM		47.73 CFM		62 CFM		66.5 CFM		35 CFM	43 CFM	64.5 CFM		64.3 CFM	
Noise	30.00 dBA per fan		34.1 dBA		26.5 dBA		27 dBA		34.3 dBA		30 dBA	30 dBA	29.2 dBA		30.2 dBA	
Static pressure	3.3 mm H <sub>2</sub> O per fan		2.68 mm H <sub>2</sub> O		1.46 mm H <sub>2</sub> O		2.5 mm H <sub>2</sub> O		1.2 mm H <sub>2</sub> O		158mmH <sub>2</sub> O		2.59 mm H <sub>2</sub> O		3.01 mm H <sub>2</sub> O	
Fan Life Expectancy	60,0000 hours		N/A		N/A		160,000 hours		N/A		160,000 hours		N/A		50,000	
<b>WARRANTY</b>	<b>2 years</b>		<b>2 years</b>		<b>2 years</b>		<b>2 years</b>		<b>N/A</b>		<b>2 years</b>		<b>2 years</b>		<b>3 years</b>	



COMPARISON CHART

280MM SINGLE-FRAME RGB FAN UNIT

Brand	NZXT	CORSAIR		CORSAIR		COOLER MASTER	LIANLI
Product Name	F RGB Core Fan	iCUE AF120 RGB ELITE		SP Elite		SICKLEFLOW 120 ARGB	Matrix
Product Image							
Pack	280	Single	Twin	Single	Triple	Single	Single
<b>PRICING</b>							
Global MSRP	\$54.99	\$29.99	\$74.99	\$29.99	\$69.99	\$21.99	B: 26.99 W: 29.99
<b>SPECIFICATIONS</b>							
Dimensions	280 x 140 x 26mm	140x140x25 mm		140x140x25 mm		120x120x25 mm	140 X 140 X 25
Speed Control	PWM	PWM		PWM		PWM	PWM
Fan Quantity	2	1	3	1	3	1	1
Color	Available in Black and White	Available in Black and White		Available in Black and White		Available in Black and White	Available in Black and White
Bearing	FDB	FDB		Hydraulic		Rifle Bearing	FDB
LED quantity	8 LEDs	8 LEDs		8 LEDs		6 LEDs	N/A
Rubber Dampers	Yes	Yes		Yes		Yes	Yes
Controller	No, Include PWM Cable	No	6 RGB Ports	No	6 RGB Ports	No	No
Speed	500-2,000 ± 200 RPM per fan	1700 RPM ±10%		1200 ±10% RPM		1400 RPM ± 10%	1600 RPM
Airflow	98.61 CFM per fan	89.0 CFM		68.11 CFM		67 CFM	77.6 CFM
Noise	34.5 dBA per fan	33.8 dBA		26.8 dBA		27 dBA	29 dBA
Static pressure	3.2 mm H <sub>2</sub> O per fan	2.00 mm H <sub>2</sub> O		1.66 mm H <sub>2</sub> O		2.2 mm H <sub>2</sub> O	2.09 mm H <sub>2</sub> O
Fan Life Expectancy	60,0000 hours	N/A		N/A		160,000 hours	N/A
<b>WARRANTY</b>	<b>2 years</b>	<b>2 years</b>		<b>2 years</b>		<b>2 years</b>	<b>2 years</b>