

# NZXT

**F120 RGB CORE**  
**F140 RGB CORE**

120MM | 140MM HUB-MOUNTED  
RGB LEDS FAN





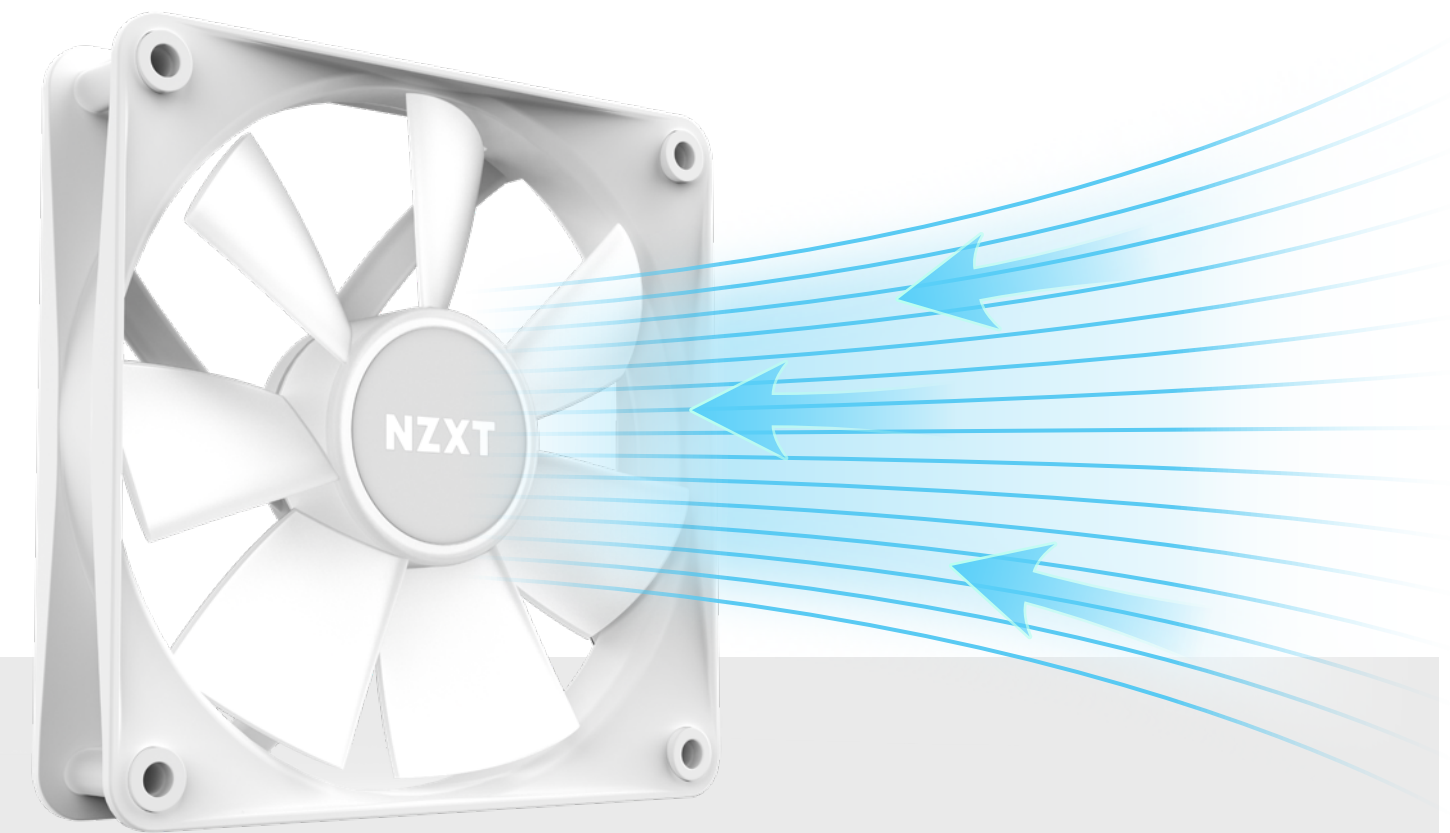
## ABOUT THE PRODUCT

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



## LIGHT YOUR WAY

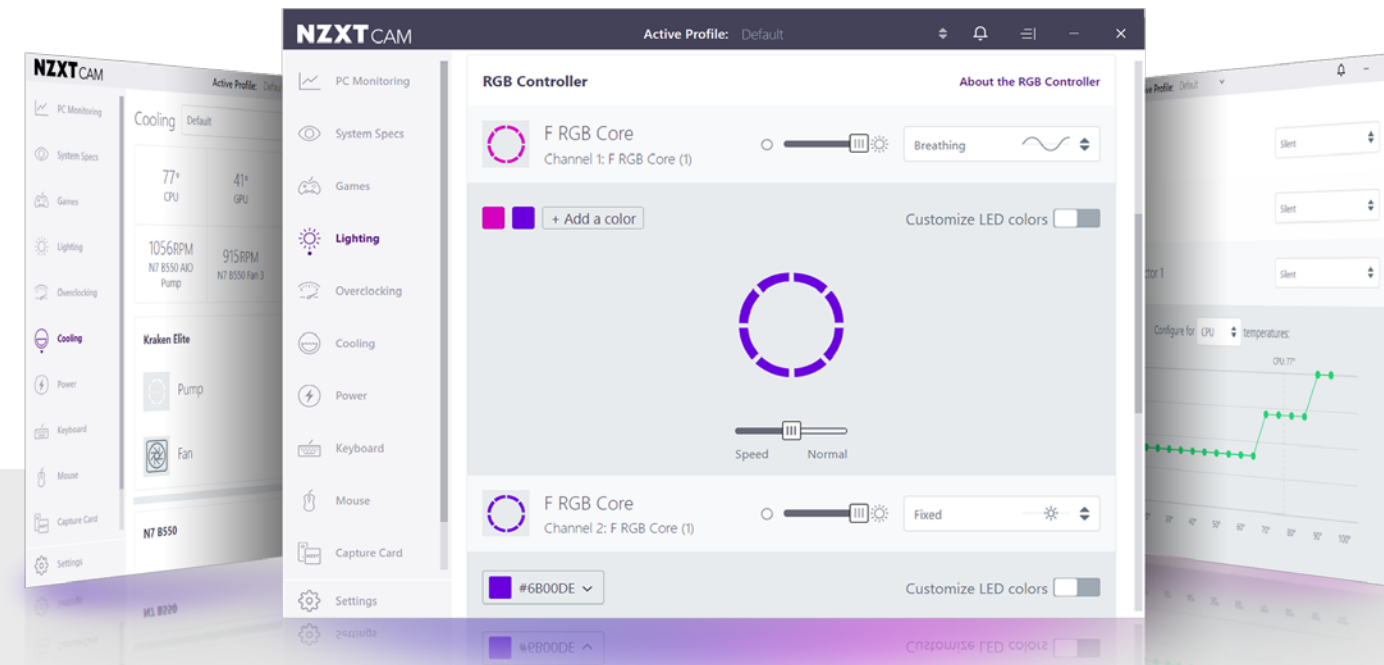
Eight individually addressable LEDs allow for vibrant customization and each is diffused through semi-translucent fan-blades for gleaming lighting effects.



## KEEP IT COOL

Featuring a refined hub and blade design, the F Series RGB Core Fans push air through your radiator for enhanced static pressure while still providing powerful airflow.

POWERED BY  
**NZXT** CAM



## CREATIVITY MEETS COOLING

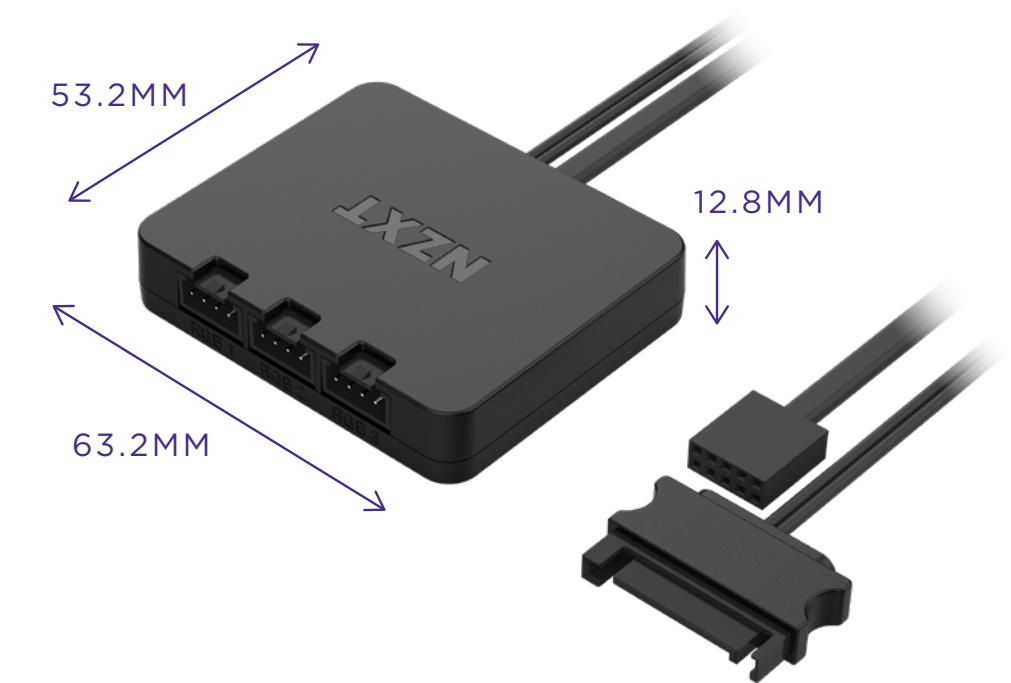
Create custom lighting combinations, set up profiles, control fan curves, and personalize your setup all through NZXT CAM.



## SYNC-UP SEAMLESSLY

Synchronize your setup and control the mood with compatible NZXT lighting accessories and components with NZXT CAM.

## SPECIFICATIONS



	F120 RGB CORE	F140 RGB CORE
Dimensions	120 x 120 x 26mm	140 x 140 x 26mm
Material	Plastic, Rubber, PCB	Plastic, Rubber, PCB
Speed	500-1,800 ± 180 RPM	500-1,500 ± 150 RPM
Airflow	78.86 CFM	90.79 CFM
Static Pressure	2.57 mm H <sub>2</sub> O	3.22 mm H <sub>2</sub> O
Noise	33.88 dBA	34.48 dBA
Bearing	Fluid Dynamic Bearing	Fluid Dynamic Bearing
Power Consumption	12 V DC, 0.2 A, 2.4 W	12 V DC, 0.24 A, 2.88 W
Connector	4-pin PWM	4-pin PWM
Output LED	8 LEDs	8 LEDs
Connections & Cable Length	4-pin PWM Fan Cable - 600mm x1 4-pin NZXT RGB Cable - 600mm x1	4-pin PWM Fan Cable - 600mm x 1 4-pin NZXT RGB Cable - 600mm x 1
Life	60,000 hours	60,000 hours
Warranty	2 Years	2 Years

RGB LIGHTING CONTROLLER - TWIN PACK / TRIPLE PACK ONLY	
Dimensions / Weight	63.2 x 53.2 x 12.8mm / 52.8g
Material(s)	Plastic, PCB, Magnets
Mounting	2 x 3M Dual Lock
Connections	1 x USB 2.0 Header, 1 x SATA
Input Connector	12V DC / 2.6A
Output Channel Voltage	5V DC
System Requirement	Requires a USB 2.0 internal connector
RGB Lighting Channels	3
Lighting Channels Support	Up to 40 LEDs per channel and up to 120 LEDs combined total for the total 3 channels
Warranty	2 Years

**PACKAGING INFO.**



**1x F120 RGB CORE**



**1x F140 RGB CORE**








**3x F120 RGB CORE & RGB Lighting Controller**








**2x F140 RGB CORE & RGB Lighting Controller**

UNIT (RETAIL BOX)	1x F120 RGB CORE		1x F140 RGB CORE		3x F120 RGB CORE & RGB Lighting Controller		2x F140 RGB CORE & RGB Lighting Controller	
Dimensions(LxWxH)	126 x 34 x 176 mm		146 x 34 x 196 mm		126 x 88 x 191 mm		146 x 60 x 211 mm	
Net Weight	140 g		165 g		470 g		380 g	
Gross Weight	220 g		260 g		630 g		510 g	
<b>CARTON</b>								
Dimensions(LxWxH)	380 x 375 x 285 mm		415 x 380 x 325 mm		470 x 403 x 280 mm		445 x 330 x 325 mm	
Units Per Carton	40 pcs		40 pcs		20 pcs		20 pcs	
Volume (CUFT)	1.43 ft <sup>3</sup>		1.81 ft <sup>3</sup>		1.87 ft <sup>3</sup>		1.69 ft <sup>3</sup>	
Net Weight	5.6 Kg		6.6 Kg		9.4 Kg		7.6 Kg	
Gross Weight	9.7 Kg		7.45 Kg		10.5 Kg		8.7 Kg	
<b>SEA SHIP W/O PALLET</b>								
20GP	624 cartons		588 cartons		480 cartons		595 cartons	
40GP	1488 cartons		1176 cartons		1000 cartons		1274 cartons	
40HQ	1674 cartons		1344 cartons		1125 cartons		1456 cartons	
<b>SEA SHIP WITH PALLET</b>								
20GP	42 cartons x 10 pallets = 420 cartons		36 cartons x 10 pallets = 360 cartons		42 cartons x 10 pallets = 420 cartons		36 cartons x 10 pallets = 360 cartons	
40GP	42 cartons x 20 pallets = 840 cartons		36 cartons x 20 pallets = 720 cartons		42 cartons x 20 pallets = 840 cartons		36 cartons x 20 pallets = 720 cartons	
40HQ	42 cartons x 20 pallets = 840 cartons		36 cartons x 20 pallets = 720 cartons		42 cartons x 20 pallets = 840 cartons		36 cartons x 20 pallets = 720 cartons	
<b>AIR SHIP WITH PALLET</b>								
Pallet size(LxWxH)	120 x 100 x 155 cm		120 x 100 x 142 cm		120 x 100 x 152 cm		120 x 100 x 142 cm	
	30 cartons / pallet		24 cartons / pallet		30 cartons / pallet		24 cartons / pallet	
<b>SKU NUMBER</b>	<b>White</b>	<b>Black</b>	<b>White</b>	<b>Black</b>	<b>White</b>	<b>Black</b>	<b>White</b>	<b>Black</b>
<b>MODEL</b>	RF-C12SF-W1	RF-C12SF-B1	RF-C14SF-W1	RF-C14SF-B1	RF-C12TF-W1	RF-C12TF-B1	RF-C14DF-W1	RF-C14DF-B1
<b>UPC</b>	810074843034	810074843027	810074843058	810074843041	810074843072	810074843065	810074843096	810074843089
<b>EAN</b>	5056547202976	5056547202969	5056547202990	5056547202983	5056547203010	5056547203003	5056547203034	5056547203027

## COMPARISON CHART

	NZXT		CORSAIR		COOLER MASTER		THERMALTAKE		CORSAIR	
PRODUCT IMAGE										
	<b>F120 RGB Core</b>		<b>SP Elite</b>		<b>Sickleflow</b>		<b>Pure 12</b>		<b>ML RGB Elite</b>	
<b>PRICING</b>										
Pack	Single	Triple	Single	Triple	Single	Triple	Triple	Single	Triple	
Global MSRP	\$19.99	\$69.99	\$24.99	\$79.99	\$19.99	\$59.99	\$69.99	\$34.99	\$119.99	
ASP			\$19.99	\$69.99	\$14.99	\$54.98	\$54.99	\$30.41	\$108.99	
<b>SPECIFICATIONS GENERAL</b>										
Connector & pin-configuration	4-pin		4-pin		4-pin		4-pin		4-pin	
Fan Quantity	1	3	1	3	1	3	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 and White	
Bearing	FDB		Hydraulic		Rifle Bearing		Hydraulic		Magnetic Levitation	
LED quantity	8 LEDs		8 LEDs		6 LEDs		9 LEDs			
Anti-vibration Rubber Dampers	Yes		Yes		No		Yes		Yes	
<b>PERFORMANCE</b>										
Speed	500 - 1800 RPM ± 180 RPM		1500 ±10% RPM		1800 RPM ± 10%		500 - 1500 RPM		450 - 2000 RPM ±10%	
Airflow	78.86 CFM		47.73 CFM		62 CFM		56.45 CFM		58.1 CFM	
Noise	33.88 dBA		26.5 dBA		27 dBA		25.8 dBA		30.4dBA	
Static pressure	2.57 mm H <sub>2</sub> O		1.46 mm H <sub>2</sub> O		2.5 mm H <sub>2</sub> O		1.59 mm H <sub>2</sub> O		2.90 mm H <sub>2</sub> O	
Fan Life Expectancy (MTTF)	60,000 hours				160,000 hours		40,000 hours			
<b>OTHER</b>										
Warranty	2 years		2 years		2 years		2 years		2 years	

## COMPARISON CHART

	NZXT		CORSAIR		COOLER MASTER		THERMALTAKE		CORSAIR	
PRODUCT IMAGE										
	<b>F140 RGB Core</b>		<b>SP Elite</b>		<b>Sickleflow</b>		<b>Pure 14</b>		<b>ML RGB Elite</b>	
<b>PRICING</b>										
Pack	Single	Twin	Single	Twin	Single		Twin		Single	Twin
Global MSRP	\$21.99	\$59.99	\$29.99	\$69.99	\$21.99		\$79.99		\$39.99	\$99.99
ASP			\$23.97	\$45.59	\$19.17		\$68.79			
<b>SPECIFICATIONS GENERAL</b>										
Connector & pin-configuration	4-pin		4-pin		4-pin		4-pin		4-pin	
Fan Quantity	1	2	1	2	1		2		1	2
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		Hydraulic		Rifle Bearing		Hydraulic		Magnetic Levitation	
LED quantity	8 LEDs		8 LEDs		6 LEDs		9 LEDs			
Anti-vibration Rubber Dampers	Yes		Yes		No		Yes		Yes	
<b>PERFORMANCE</b>										
Speed	500 - 1,500 ± 150 RPM		1200 ±10% RPM		1400 RPM ± 10%		600 - 1400 RPM		400 - 1600 RPM ±10%	
Airflow	90.79 CFM		68.11 CFM		67 CFM		70.32 CFM		82.9 CFM	
Noise	34.48 dBA		26.8 dBA		27 dBA		30.4 dBA		31.8 dBA	
Static pressure	3.22 mm H <sub>2</sub> O		1.66 mm H <sub>2</sub> O		2.2 mm H <sub>2</sub> O		1.62 mm H <sub>2</sub> O		2.06 mm H <sub>2</sub> O	
Fan Life Expectancy (MTTF)	60,000 hours				160,000 hours		40,000 hours			
<b>OTHER</b>										
Warranty	2 years		2 years		2 years		2 years		2 years	





RGB CORE | H5 Flow