

## CPU Cooler High performance thermal solutions

Choosing the wrong CPU cooler for a system can lead to serious overheating, resulting in system shutdown and potential damage to CPUs.

For industrial applications, the following CPU coolers fit the needs of various operating environments, where different levels of cooling are required.



Model Name	19100-000319-00-RS	19100-000323-00-RS	19100-000326-00-RS
Description	For Intel® LGA LGA1700 ,RoHS	For Intel® LGA LGA1700 ,RoHS	For Intel® LGA LGA1700 ,RoHS
CPU Solution	Core™ i9/i7/i5/i3	Core™ i9/i7/i5/i3	Core™ i9 /i7/i5/i3
Socket Solution	LGA1700	LGA1700	LGA1700
Dimensions (mm)	95 x 90 x 27.45	72 x 70 x 25.5	87.8 x 66.5 x 75
Material	AL	CU	CU+AL
Bearing Type	Two-Ball	Ball And Sleeve	Two-Ball
Capability (Watt)	<b>65W</b>	<b>65W</b>	<b>125W</b>
Fan Speed (RPM)	7000	4500	9000
Noise Level (dBA)	59	42	54
Life Expectancy (hrs)	50,000	40,000	50,000
Temperature	-10°C~65°C	-10°C~70°C	-10°C~70°C
Weight	450g	490g	411g








Model Name	19100-000327-00-RS	19100-000333-00-RS	19100-000331-00-RS
Description	For Intel® LGA LGA1700 ,RoHS	For Intel® LGA LGA1700 ,RoHS	For Intel® LGA 115X/1200 ,RoHS
CPU Solution	Core™ i9/i7/i5/i3	Core™ i9/i7/i5/i3	Core™ i9/i7/i5/i3
Socket Solution	LGA1700	LGA1700	LGA115X/1200
Dimensions (mm)	96.5 x 91.4 x 119.5	72 x 48.5 x 73.5	90 x 90 x 68
Material	CU+AL	CU+AL	Al
Bearing Type	Two-Ball	Ball And Sleeve	Two-Ball
Capability (Watt)	<b>125W</b>	<b>80W</b>	<b>125W</b>
Fan Speed (RPM)	3600	4900	9000
Noise Level (dBA)	44	36	54
Life Expectancy (hrs)	70,000	40,000	50000
Temperature	-10°C~70°C	-10°C~70°C	0°C~40°C
Weight	890g	456g	450g

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IEI Special Desktop Core™ CPU Cooler				
				
Where Used	For special models: SPCIE-C2260, PCIE-Q870, PCIE-H810, WSB-H810, KINO-AQ870			
Model Name	CF-1150SA-R10	CF-1150SB-R11	CF-1150SC-R30	CF-1150SE-R12
Description	IEI customized cooler for LGA1150 Intel® CPU, RoHS		IEI customized cooler for LGA1150 Intel® CPU, 1U chassis compatible, RoHS	IEI customized cooler for LGA1150 Intel® CPU, RoHS
CPU Solution	Intel® Core™ i7/i5	Intel® Core™ i7/i5	Intel® Core™ i7/i5	Intel® Core™ i7/i5
Socket Solution	LGA1150/LGA1151	LGA1150/LGA1151	LGA1150/LGA1151	LGA1150/LGA1151
Dimensions (mm)	83 x 83 x 57	96 x 82 x 60	105 x 80 x 23.7	107 x 72 x 60
Material	Al	Al	Cu	Cu
Bearing Type	Ball and sleeve	Two-ball	Two-ball	Two-ball
Capability (Watt)	<b>95 W</b>	<b>65 W</b>	<b>65 W</b>	<b>95 W</b>
Fan Speed (RPM)	4200	3500	5500	4200
Noise Level (dBA)	40	41	55	36
Life Expectancy (hrs)	40,000	50,000	50,000	50,000
Weight	330 g	286 g	406 g	812 g

Intel® Standard Desktop Core™ CPU Cooler				
				
Where Used	LGA115X (LGA1150/LGA1151/LGA1155/LGA1156)			
Model Name	CF-115XA-R10	CF-1156C-R20	CF-1156D-R30	CF-115XE-R10
Description	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible	Low power LGA1155/LGA1156 cooler Kit, RoHS		High performance LGA1155/LGA1156 CPU cooler, RoHS
CPU Solution	Intel® Core™ i5/i3	Intel® Core™ i5/i3	Intel® Core™ i7/i5/i3	Intel® Xeon®/Core™ i7/i5/i3
Socket Solution	LGA115X (LGA1150/LGA1151/LGA1155/LGA1156)			
Dimensions (mm)	89 x 92.6 x 27.4	90 x 90 x 33	90 x 90 x 33	91 x 91 x 84
Material	Cu	Al	Cu+Al	Al
Bearing Type	Two-ball	Two-ball	Two-ball	Ball and Sleeve
Capability (Watt)	<b>73 W</b>	<b>45 W</b>	<b>65 W</b>	<b>95 W</b>
Fan Speed (RPM)	5500	3600	3600	4200
Noise Level (dBA)	51	40	40	40
Life Expectancy (hrs)	50,000	70,000	70,000	40,000
Weight	422 g	198 g	240 g	301 g

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	Mobile Core™ i7 CPU Cooler			
				
Where Used	PGA989		IMBA-Q470 & IMBA-Q471	
Model Name	CF-989A-RS-R12	19100-000312-00-RS	19100-000318-00-RS	19100-000353-00-RS
Description	High performance Socket-G (PGA989) smart fan CPU cooler, RoHS	For Intel® LGA115X/1200	For Intel®LGA115X/1200	For Intel® LGA1151
CPU Solution	Intel® Core™ i7/i5/i3	Intel® Core™ i9/i7/i5/i3	Intel® Core™ i9/i7/i5/i3	Core™i9 /i7/i5/i3
Socket Solution	PGA989	LGA 115X/1200	LGA 115X/1200	LGA1151
Dimensions (mm)	60 x 60 x 27.5	92.5 x 90 x 30.15	103 x 95 x 127	107x81x64.7
Material	Cu	Al	Al	CU+AL
Bearing Type	Two-ball	Two-ball	Two-ball	Two-Ball
Capability (Watt)	<b>55 W</b>	<b>125 W</b>	<b>125 W</b>	<b>95W</b>
Fan Speed (RPM)	4800	7000	3600	8000
Noise Level (dBA)	40	59	44	53
Life Expectancy (hrs)	50,000	80,000	70,000	80,000
Weight	255 g	435 g	380 g	352g