






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.

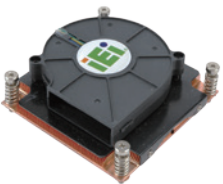

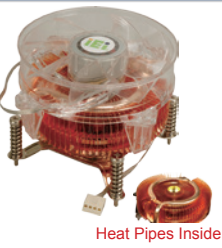


IEI Special Desktop Core™ CPU Cooler					
					
Where Used	For spacial models: SPCIE-C2260, PCIE-Q870, PCIE-H810, WSB-H810, KINO-AQ870				
Model Name	CF-1150SA-R10	CF-1150SB-R11	CF-1150SC-R20	CF-1150SE-R11	CF-1150SF-R10
Description	IEI customized cooler for LGA1150 Intel® CPU, RoHS		IEI customized cooler 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	Intel® Core™ i7/i5
Socket Solution	LGA1150/LGA1151	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 61 x 60	107 x 70 x 35
Material	Al	Al	Cu	Cu	Al
Bearing Type	Ball And sleeve	Two-ball	Two-ball	Two-ball	Two-ball
Capability (Watt)	95 W	65 W	65 W	95 W	54 W
Fan Speed (RPM)	4200	3500	5500	4200	4500
Noise Level (dBA)	40	41	55	36	39
Life Expectancy (hrs)	40,000	50,000	50,000	50,000	50,000
Weight	330 g	286 g	406 g	812 g	220 g






Intel® Standard Desktop Core™ CPU Cooler					
		New 	New 		
	LGA115X (LGA1150/LGA1151/LGA1155/LGA1156)				
Model Name	CF-1156A-RS-R11	CF-115XE-R10	CF-115XF-R10	CF-1156C-RS	CF-1156D-RS
Description	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible	High performance LGA1155/LGA1156 CPU cooler, RoHS	High performance LGA1155/LGA1156 CPU cooler, RoHS	Low power LGA1155/LGA1156 cooler kit, RoHS	
CPU Solution	Intel® Core™ i5/i3	Intel® Xeon®/Core™ i7/i5/i3	Intel® Xeon®/Core™ i7/i5/i3	Intel® Core™ i5/i3	Intel® Core™ i7/i5/i3
Socket Solution	LGA115X (LGA1150/LGA1151/LGA1155/LGA1156)				
Dimensions (mm)	89 x 92.6 x 27.4	91 x 91 x 84	90 x 90 x 69.3	90 x 90 x 33	90 x 90 x 33
Material	Cu	Al	Al	Al	Cu+Al
Bearing Type	Two-ball	Ball and Sleeve	Two Ball	Two-ball	Two-ball
Capability (Watt)	73 W	95 W	95 W	45 W	65 W
Fan Speed (RPM)	5500	4200	4200	3000	3000
Noise Level (dBA)	51	40	48	33.4	33.4
Life Expectancy (hrs)	50,000	40,000	50000	50,000	50,000
Weight	422 g	301 g	432	192 g	227 g

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.

	Desktop Core™ CPU Cooler		Desktop CPU Cooler		
			 Heat Pipes Inside		
	LGA1355/1356/2011		LGA775 Cooler		
Model Name	CF-2011A-RS	CF-2011B-RS	CF-775A-RS	CF-775B-RS-R11	CF-520-RS-R11
Description	High performance LGA1355/1356/2011 cooler kit		High performance LGA 775 CPU cooler, with two copper pipes, RoHS	High performance 1U LGA 775 CPU cooler, with 7010 fan, RoHS	High performance LGA 775 CPU cooler, RoHS
CPU Solution	Intel® Xeon® E5-2600		Intel® Core™2 Quad	Intel® Core™2 Duo	Intel® Core™2 Duo
Socket Solution	LGA2011	LGA2011	LGA 775	LGA 775	LGA 775
Dimensions (mm)	89 x 88 x 27.2	89 x 88 x 45.1	92 x 92 x 73	80.5 x 81 x 28.2	115 x 115 x 67
Material			Cu-Al	Cu	Aluminum alloy
Bearing Type	Two-ball	Ball and sleeve	Rifle	Two-ball	Two-ball
Capability (Watt)	130W	130W	130 W	90 W	115 W
Fan Speed (RPM)	5500	4500	3600	4250	4500
Noise Level (dBA)	55	42	36.6~39.6	40	47.5~51.5
Life Expectancy (hrs)	50000	40000	40,000	50,000	70,000
Weight	55g	50g	492 g	600 g	635 g

	Desktop CPU Cooler	CPU Cooler	Mobile Core™ i7 CPU Cooler		Mobile CPU Cooler
					
	Pentium® 3 Cooler	Blower	PGA989		Pentium® M Cooler
Model Name	CF-370A-RS	BF-02-RS	CF-989A-RS-R12	CF-989B-RS-R11	CF-479B-RS
Description	High performance slim type Socket 370 CPU cooler, RoHS	Bracket cooling fan, RoHS	High performance Socket-G (PGA989) smart fan CPU cooler, RoHS	High performance Socket-G (PGA989) CPU cooler, aluminum, RoHS	High performance Socket 479, M and P Intel® Pentium® M CPU cooler, RoHS
CPU Solution	Intel® Pentium® 3	Bracket cooling fan	Intel® Core™ i7/i5/i3	Intel® Core™ i7/i5/i3	Intel® Pentium® M, Core™2 Duo (Mobile)
Socket Solution	Socket 370		PGA989	PGA989	Socket 479
Dimensions (mm)	50 x 52 x 20	112 x 90 x 21	60 x 60 x 27.5	60 x 60 x 27.5	50 x 50 x 16
Material	Cu-Al	Plastic	Cu	Al	Al
Bearing Type	Two-ball	One-ball	Two-ball	Two-ball	Two-ball
Capability (Watt)	40 W		55 W	50 W	50 W
Fan Speed (RPM)	5500	2800	4800	4800	5500
Noise Level (dBA)	32.1	28	40	40	30.1
Life Expectancy (hrs)	40,000	45,000	50,000	50,000	50,000
Weight	62 g	107.5 g	255 g	26 g	19 g