







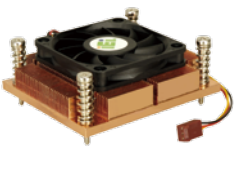
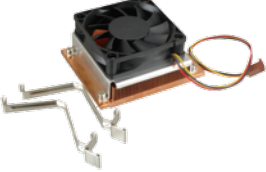

CPU Cooler *High performance thermal solutions*





Choosing the wrong CPU cooler for a system can lead to serious overheating, resulting in system shutdowns 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				
				
	LGA1155/LGA1156			
Model Name	CF-1156A-RS-R11	CF-1156B-RS	CF-1156C-RS 45W	CF-1156D-RS 65W
Description	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible	High performance LGA1155/LGA1156 cooler kit	Low power LGA1155/LGA1156 cooler kit for Intel® CPU, 45W, 1U chassis compatible, CCL, RoHS	
CPU Solution	Intel® Core™ i5/i3	Intel® Xeon®/Core™ i7/i5/i3	Intel® Core™ i5/i3	Intel® Core™ i7/i5/i3
Socket Solution	LGA1155/LGA1156	LGA1155/LGA1156	LGA1155/LGA1156	LGA1155/LGA1156
Dimensions (mm)	89 x 92.6 x 27.4	91 x 91 x 82	90 x 90 x 33	90 x 90 x 33
Material	Cu	Aluminum Alloy	Al	Cu+Al
Bearing Type	Two-ball	Two-ball	Two-ball	Two-ball
Capability (Watt)	73W	95W	45W	65W
Fan Speed (RPM)	5500	5000	3000	3000
Noise Level (dBA)	51	45	33.4	33.4
Life Expectancy (hrs)	50000	70000	50000	50000
Weight	422g	248g	192g	227g

Mobile Core™ i7 CPU Cooler		Desktop CPU Cooler				
						
	PGA989		LGA775 Cooler			
Model Name	CF-989A-RS-R12	CF-989B-RS	CF-775A-RS	CF-775B-RS-R11	CF-520-RS-R11	
Description	High performance Socket-G (PGA989) smart fan CPU cooler, RoHS	High performance Socket-G (PGA989) CPU cooler, Aluminum, RoHS	High performance Two copper pipes LGA 775 CPU cooler, RoHS	High performance 1U LGA 775 CPU cooler, w/ 7010 fan, copper, RoHS	High performance LGA 775 CPU cooler, RoHS	
CPU Solution	Intel® Core™ i7/i5/i3	Intel® Core™ i7/i5/i3	Intel® Core™2 Quad	Intel® Core™2 Duo	Intel® Core™2 Duo	
Socket solution	PGA989	PGA989	LGA 775	LGA 775	LGA 775	
Dimensions (mm)	60 x 60 x 27.5	60 x 60 x 27.6	92 x 92 x 73	80.5 x 81 x 28.2	115 x 115 x 67	
Material	Cu	Al	Cu-Al	Cu	Aluminum Alloy	
Bearing Type	Two-ball	Two-ball	Rifle	Two-ball	Two-ball	
Capability (Watt)	55W	50W	130W	90W	115W	
Fan Speed (RPM)	4800	4800	3600	4250	4500	
Noise Level (dBA)	40	37	36.6-39.6	40	47.5-51.5	
Life Expectancy (hrs)	50000	70000	40000	50000	70000	
Weight	255g	140g	492g	600g	635g	

CPU Cooler *High performance thermal solutions*

Desktop CPU Cooler				
				
Pentium® 4 Cooler				
Model Name	CF-478A-RS	CF-478B-RS	CF-478D-RS-R11	CF-514-RS
Description	High Performance Copper Socket 478 CPU Cooler, RoHS	High Performance Heat Pipes Socket 478 1U CPU Cooler, RoHS	Socket 478 1U CPU Cooler	High Performance Skiving Intel® Pentium® 4 CPU Cooler, RoHS
CPU Solution	Intel® Pentium® 4	Intel® Pentium® 4	Intel® Pentium® 4 / AMD AM2	Intel® Pentium® 4
Socket Solution	Socket 478	Socket 478	Socket 478 / Socket AM2 for IEI SBC	Socket 478
Dimensions (mm)	92 x 92 x 67	89 x 76 x 26	83 x 68.8 x 31.2	83 x 70 x 55
Material	Cu	Cu-Al	Cu	Aluminum Alloy
Bearing Type	Rifle	Two-ball	Two-ball	Two-ball
Capability (Watt)	115W	86W	65W	86W
Fan Speed (RPM)	3600	4800	4800	4800
Noise Level (dBA)	39.6	37	37	42.4
Life Expectancy (hrs)	40000	40000	50000	50000
Weight	390g	204g	470g	284g

	Mobile CPU Cooler		Desktop CPU Cooler	CPU Cooler
				
Pentium® M Cooler			Pentium® 3 Cooler	BLOWER
Model Name	CF-479B-RS	CF-518-RS	CF-370A-RS	BF-02-RS
Description	High Performance Socket 479, M and P Intel® Pentium® M CPU Cooler, RoHS	High Performance Intel® Pentium® M CPU Cooler, RoHS	High Performance Slim Type Socket 370 CPU Cooler, RoHS	Bracket Cooling Fan, RoHS
CPU Solution	Intel® Pentium® M, Core™2 Duo (Mobile)	Intel® Pentium® M	Intel® Pentium® 3	Bracket cooling fan
Socket Solution	Socket 479	Socket 479	Socket 370	
Dimensions (mm)	50 x 50 x 26	60 x 60 x 26	50 x 52 x 20	112 x 90 x 21
Material	Al	Aluminum Alloy	Cu-Al	Plastic
Bearing Type	Two-ball	Two-ball	Two-ball	One-ball
Capability (Watt)	50W	20W	40W	
Fan Speed (RPM)	6000	5000	5500	2800
Noise Level (dBA)	39	36.1	32.1	28
Life Expectancy (hrs)	40000	50000	40000	45000
Weight	86g	116g	62g	107.5g