




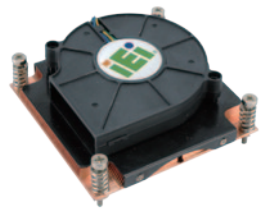

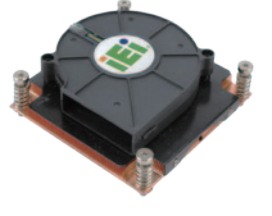



CPU Cooler *High performance thermal solutions*

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.

| 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-R10 | 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) | 95W | 65W | 65W | 95W | 54W |
| Fan Speed (RPM) | 4200 | 3500 | 5500 | 4200 | 4500 |
| Noise Level (dBA) | 40 | 41 | 55 | 36 | 39 |
| Life Expectancy (hrs) | 40000 | 50000 | 50000 | 50000 | 50,000 |
| Weight | | 286g | 406g | 812g | 220g |





| Desktop Core™ CPU Cooler | | | | |
|--------------------------|---|---|--|---|
| |  |  |  |  |
| | LGA1355/1356/2011 | | | |
| Model Name | CF-1356A-RS | CF-1356B-RS | CF-2011A-RS | CF-2011B-RS |
| Description | High performance LGA1355/1356/2011 cooler kit | | | |
| CPU Solution | Intel® Xeon® E5-2400 | | Intel® Xeon® processor E5-2600 | |
| Socket Solution | LGA1355/1356 | LGA1355/1356 | LGA2011 | LGA2011 |
| Dimensions (mm) | 89 x 80 x 27 | 89 x 90 x 24 | 89 x 88 x 27.2 | 89 x 88 x 45.1 |
| Material | Copper | | | |
| Bearing Type | Two-ball | Ball and Sleeve | Two-ball | Ball and Sleeve |
| Capability (Watt) | 60W | 95W | 130W | 130W |
| Fan Speed (RPM) | 4500 | 5500 | 5500 | 4500 |
| Noise Level (dBA) | 51 | 42 | 55 | 42 |
| Life Expectancy (hrs) | 50000 | 40000 | 50000 | 40000 |
| Weight | 55g | 50g | 55g | 50g |

CPU Cooler *High performance thermal solutions*





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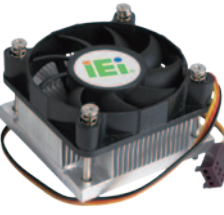

For industrial applications, the following CPU coolers fit the needs of various operating environments, where different levels of cooling are required.

| Intel® Standard Desktop Core™ CPU Cooler | | | | |
|--|---|---|--|---|
| |  |  |  |  |
| | LGA115X (LGA1150/ LGA1151/ LGA1155/ LGA1156) | | | |
| Model Name | CF-1156A-RS-R11 | CF-1156E-R11 | CF-1156C-RS | CF-1156D-RS |
| Description | High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible | 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® Core™ i5/i3 | Intel® Core™ i7/i5/i3 |
| Socket Solution | LGA115X (LGA1150/ LGA1151/ LGA1155/ LGA1156) | | | |
| Dimensions (mm) | 89 x 92.6 x 27.4 | 90 x 90 x 64 | 90 x 90 x 33 | 90 x 90 x 33 |
| Material | Cu | Al | Al | Cu+Al |
| Bearing Type | Two-ball | Two-ball | Two-ball | Two-ball |
| Capability (Watt) | 73W | 95W | 45W | 65W |
| Fan Speed (RPM) | 5500 | 5500 | 3000 | 3000 |
| Noise Level (dBA) | 51 | 40.5 | 33.4 | 33.4 |
| Life Expectancy (hrs) | 50000 | 50000 | 50000 | 50000 |
| Weight | 422g | 301g | 192g | 227g |

| Desktop CPU Cooler | | | | |
|-----------------------|---|---|--|---|
| |  |  |  |  |
| | LGA775 Cooler | | | |
| Model Name | CF-775A-RS | CF-775B-RS-R11 | CF-520-RS-R11 | Pentium® 4 Cooler |
| Description | High performance Two copper pipes LGA 775 CPU cooler, RoHS | High performance 1U LGA 775 CPU cooler, w/ 7010 fan, RoHS | High performance LGA 775 CPU cooler, RoHS | High Performance Copper Socket 478 CPU Cooler, RoHS |
| CPU Solution | Intel® Core™2 Quad | Intel® Core™2 Duo | Intel® Core™2 Duo | Intel® Pentium® 4 |
| Socket Solution | LGA 775 | LGA 775 | LGA 775 | Socket 478 |
| Dimensions (mm) | 92 x 92 x 73 | 80.5 x 81 x 28.2 | 115 x 115 x 67 | 92 x 92 x 67 |
| Material | Cu-Al | Cu | Aluminum Alloy | Cu |
| Bearing Type | Rifle | Two-ball | Two-ball | Rifle |
| Capability (Watt) | 130W | 90W | 115W | 115W |
| Fan Speed (RPM) | 3600 | 4250 | 4500 | 3600 |
| Noise Level (dBA) | 36.6~39.6 | 40 | 47.5~51.5 | 39.6 |
| Life Expectancy (hrs) | 40000 | 50000 | 70000 | 40000 |
| Weight | 492g | 600g | 635g | 390g |

CPU Cooler *High performance thermal solutions*

| | Desktop CPU Cooler | | | CPU cooler |
|-----------------------|---|---|--|---|
| |  |  |  |  |
| | Pentium® 4 Cooler | | Pentium® 3 Cooler | BLOWER |
| Model Name | CF-478B-RS-R11 | CF-514-RS | CF-370A-RS | BF-02-RS |
| Description | High Performance Heat Pipes Socket 478 1U CPU cooler, RoHS | High Performance Skiving Intel® Pentium® 4 CPU cooler, RoHS | High Performance Slim Type Socket 370 CPU cooler, RoHS | Bracket cooling fan, RoHS |
| CPU Solution | Intel® Pentium® 4 | Intel® Pentium® 4 | Intel® Pentium® 3 | Bracket cooling fan |
| Socket Solution | Socket 478 | Socket 478 | Socket 370 | |
| Dimensions (mm) | 89 x 76 x 26 | 83 x 70 x 55 | 50 x 52 x 20 | 112 x 90 x 21 |
| Material | Cu-Al | Aluminum Alloy | Cu-Al | Plastic |
| Bearing Type | Two-ball | Two-ball | Two-ball | One-ball |
| Capability (Watt) | 86W | 86W | 40W | |
| Fan Speed (RPM) | 4800 | 4800 | 5500 | 2800 |
| Noise Level (dBA) | 40 | 42.4 | 32.1 | 28 |
| Life Expectancy (hrs) | 50000 | 50000 | 40000 | 45000 |
| Weight | 25g | 284g | 62g | 107.5g |

| | Mobile Core™ i7 CPU Cooler | | Mobile CPU Cooler | |
|-----------------------|---|---|--|---|
| |  |  |  |  |
| | PGA989 | | Pentium® M Cooler | |
| Model Name | CF-989A-RS-R12 | CF-989B-RS-R11 | CF-479B-RS | CF-518-RS |
| Description | 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 | High Performance Intel® Pentium® M CPU cooler, RoHS |
| CPU Solution | Intel® Core™ i7/i5/i3 | Intel® Core™ i7/i5/i3 | Intel® Pentium® M, Core™2 Duo (Mobile) | Intel® Pentium® M |
| Socket solution | PGA989 | PGA989 | Socket 479 | Socket 479 |
| Dimensions (mm) | 60 x 60 x 27.5 | 60 x 60 x 27.5 | 50 x 50 x 16 | 60 x 60 x 26 |
| Material | Cu | Al | Al | Aluminum Alloy |
| Bearing Type | Two-ball | Two-ball | Two-ball | Two-ball |
| Capability (Watt) | 55W | 50W | 50W | 20W |
| Fan Speed (RPM) | 4800 | 4800 | 5500 | 5000 |
| Noise Level (dBA) | 40 | 40 | 30.1 | 36.1 |
| Life Expectancy (hrs) | 50000 | 50000 | 50000 | 50000 |
| Weight | 255g | 26g | 19g | 116g |



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