



Thermal Management

Coolers | Heatsinks | Filters & Guards | DC Fans | DC Blower Fans
Micro Fans and Blowers | Compounds



SUPERB DESIGN ENGINEERING

Company Introduction & Key Thermal Solutions Milestones

Akasa design and manufacture a wide range of high quality technology products including coolers, heatsinks and fans which we supply directly to industry worldwide.

Corporate Overview

- **1997** Founded in Taipei & London (EMEA)
- **1998** Akasa (Asia) Corp. established (APAC & NA)
- **2000** Official launch of brand "Akasa"
- **2001** Brazil office established (South America)
- **2004** Release of the pure copper Silver Mountain CPU cooler
- **2005** Fan manufacturing facilities opened in Dong Guan, China
- **2006** Release of optional VDE certification for IP55 fans
- **2007** New facility, Dachi Metal and Electronics Ltd., operated in Dong Guan, China for assembly
- **2007** Release of the ultra-quiet, classical design Amber-series fan
- **2008** First range of small form factor (SFF) compact cases
- **2009** ISO9001 & ISO14001 certified
- **2009** Release of the Apache-series PC fan series with IP57 & innovative S-Flow blade design
- **2012** CNC manufacturing facilities opened in Dong Guan, China
- **2012** Release of the innovative air ripper blade design under the Piranha-series fan
- **2012** First range of Fanless Chassis for Intel®-based Thin- Mini ITX launches
- **2015** First range of IP65-rated Fanless Chassis for Intel® NUCs
- **2017** Release of OEM cooler solutions for AMD Ryzen™ Threadripper
- **2020** Release of Maxwell Pro fanless case for Mini-ITX Intel® & AMD platforms
- **2020** Holland office established (European Union)
- **2022** Fanless Case and CPU cooler solutions for Intel® LGA1700
- **2022** IP68 fan series with patented anti-vibration design
- **2022** Fanless Case and CPU cooler solutions for AMD AM5
- **2025** High-performance liquid coolers for AI and server applications



Akasa branded products are sold through etailers, retailers and e-commerce platforms worldwide. Products include cables, coolers, card readers, cases, external enclosures, fans in many colours, notebook coolers and power supplies.



Akasa is an extremely versatile turnkey manufacturer with the capability to turn your concepts and ideas into a series of products



**Pre-Sales
Need Analysis**



Product Design



**Prototype
&
Fabrication**



**Production
Logistics
Post-Sales**

Our engineering staff boast unmatched experience and practical knowledge. Our group can provide conceptual studies and drawings within a short time, and complex custom built hardware within a reasonable time.

Corporate Overview

Akasa design and manufacture a comprehensive range of high quality technology products including coolers, heatsinks and fans. We work closely with processor and motherboard manufacturers to ensure our products match the complex demands of CPU and form factor technology. So when new, advanced technology arrives, Akasa have the products and expertise to make it work for you.



Design

Akasa have extensive design and development capability in Europe, Taiwan and China. Customised equipment and computer modelling software are used for measuring noise and case vibrations, airflow, static pressure and temperature control.



Quality

Akasa is 100% dedicated to serving customers with reliable products which provide certainty in use. We never compromise product quality. All our products are manufactured under strict quality control standards.



Manufacturing

Akasa own and manage manufacturing plants in China with modern facilities including computer aided precision tooling and injection moulding. For specialist technology requirements we have a network of strategic partners in China, Taiwan and Europe.



Markets

Akasa is a leading supplier of thermal solutions to the global electronics industry: PC, IPC, electronic manufacturing and contract manufacturing. Our products are employed in numerous applications from sophisticated scientific IT to robust mechanical devices.



Expert knowledge at your service

We work with customers on product configuration to determine the most effective thermal solution. Whatever the problem, thermal failure in an existing product or too much heat in a new system, we have the practical knowhow to resolve it.



Akasa retail brand

Our innovative end-user products are sold under the distinctive Akasa brand through distributors, etailers, retailers and e-commerce platforms worldwide. There are hundreds of Akasa branded products including cables, coolers, card readers, cases, external Type-C docks, fans in many colours, notebook coolers and power supplies, Akasa products regularly win industry awards.

Contents

Cooler and Heatsink

Cooler and Heatsink Finder	1
Air Cooling	2-19
Intel®	
Desktop ATX Solutions	
Intel® LGA 1851 / 1700	2-3
Intel® LGA 1200 / 115X / 775	3-4
Desktop ITX Solutions	
Intel® LGA 1851 / 1700	5-6
Intel® LGA 1200 / 115X	7
Intel® LGA 1200 / 115X / 775	7
Server Solutions	
Intel® LGA 1851 / 1700 / 1200 / 115X / 1366 / 1356	8
Intel® LGA 1851 / 1700 / 1200 / 115X / 775	8
Intel® LGA 1851 / 1700 / 1200 / 115X	8
Intel® LGA 1851 / 1700	9
Intel® LGA 1200 / 115X / 775	9-10
Intel® LGA 1200 / 115X	10
AI & Server Solutions	
Intel® LGA 4677	11
Intel® LGA 4189	12-13
Intel® LGA 3647 (Narrow ILM)	13-15
Intel® LGA 3647 (Square ILM)	15-16
AMD	
Desktop ATX Solutions	
AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1	17
AMD Socket A & Intel Socket 370	17
Desktop ITX Solutions	
AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1	18
Server Solutions	
AMD AM3+ / AM3 / AM2+ / AM2	18
AMD AM5 / AM4	18
AMD SP6	19
Liquid Cooling	20-21
Intel® & AMD	
AI & Server Solution	
Open loop / Closed loop 1U	20
Closed loop 2U / Closed loop 4U	21
Fan Filter & Fan Guard	22
DC Fans	23-30
DC Blower Fan	31
Micro Fans and Blowers	32-33
PWM Fan Cables / Fan Accessories	34
Thermal Interface	35-37
M.2 SSD Cooling	38
Industrial OEM / ODM Cooling	39

Cooler and Heatsink Finder

AKasa Product Code	Page Number	Desktop and Tower Cases	Low Profile	1U cooler	2U cooler	3U cooler	4U cooler	Intel® LGA1851	Intel® LGA1700	Intel® LGA1200	Intel® LGA115X	Intel® LGA1356	Intel® LGA1366	Intel® LGA775	Intel® LGA2011	Intel® LGA4677	Intel® LGA4189	LGA3647 (Narrow ILM)	LGA3647 (Square ILM)	AMD SP6 / rTR5	AMD SP5	AMD AM5	AMD AM4	AMD AM3+ / AM3	AMD AM2+ / AM2	AMD FM2+ / FM2	AMD FM1	AMD sockets A and Intel® 370	Retention†	Backplate
AK-CC6606BP01	2	•						•	•																				PP	
AK-CC6605EP01	2	•						•	•																				PP	
AK-CC6603EP01	2	•						•	•																				PP	
AK-CC6607EP01	2	•						•	•																				S	•
AK-CC6608BP01	3	•						•	•																				S	•
AK-CC6620BP01	3	•						•	•																				S	•
AK-CCE-7102EP	3	•								•	•		•																PP	
AK-CCE-7104EP	3	•								•	•		•																PP	
AK-CCE-7105EP	4	•								•	•		•																S	•
AK-CC7108EP01	4	•								•	•		•																PP	
AK-CC7108ES01	4	•								•	•		•																PP	
AK-959CU	4	•								•	•		•																PP	
AK-CC6609EP01	5	•	•					•	•																				S	•
AK-CC6601EP01	5	•	•					•	•																				PP	
AK-CC6602HP01	5	•	•					•	•																				PP	
AK-CC6610EP01	5	•	•					•	•																				S	•
AK-CC6616HP01	6	•	•					•	•																				S	•
AK-CC6614EP01	6	•	•					•	•																				S	•
AK-CC6613EP01	6	•	•					•	•																				S	•
AK-CC6612EP01	6	•	•					•	•																				S	•
AK-CC6309EP01	7	•	•							•	•																		S	•
AK-CC6308EP01	7	•	•							•	•																		S	•
AK-CC7129EP01	7	•	•							•	•		•																S	•
AK-CC7129BP01	7	•	•							•	•		•																S	•
AK-CC7122EP01	7	•	•							•	•		•																PP	
AK-CC7122BP01	7	•	•							•	•		•																PP	
AK-CC7402BT01	8				•			•	•	•	•	•	•																S	•
AK-CC7401BP01	8			•				•	•	•	•	•	•																S	•
AK-CC7409BP01	8			•				•	•																				S	•
AK-CC7406BP01	8			•				•	•	•	•																		S	•
AK-CC7407BP01	9			•				•	•																				S	•
AK-CC7502BP01	9				•			•	•																				S	•
AK-CCE-7106HP	9	•	•							•	•		•																PP	
AK-CC7124EP01	9	•	•							•	•		•																PP	
AK-CC7111	10			•						•	•		•																S	•
AK-CC6313	10			•						•	•																		S	•
AK-CC9501BP01	11			•											•														S	•
AK-CC9502BP01	11						•								•														S	•
AK-CC9505BP01	11						•								•														S	•
AK-CC9503BP01	11			•											•														S	•
AK-CC9504BP01V1	11						•								•														S	•
AK-CC9401BP01	12			•												•													S	
AK-CC9402	12			•												•													S	
AK-CC9403	12				•											•													S	
AK-CC9404BP01	12				•											•													S	
AK-CC9405BP01	13					•										•													S	
AK-CC9301	13			•													•												S	
AK-CC9302	13			•													•												S	
AK-CC9303	13			•													•												S	
AK-CC9304	14				•												•												S	
AK-CC9305	14				•												•												S	
AK-CC9306BP01	14				•												•												S	
AK-CC9307BP01	14					•											•												S	
AK-CC9308	15			•													•												S	
AK-CC9201	15			•													•												S	
AK-CC9202	15			•													•												S	
AK-CC9203	15				•												•												S	
AK-CC9204	16				•												•												S	
AK-CC9205BP01	16				•												•												S	
AK-CC9206BP01	16					•											•												S	
AK-CC1110EP01	17	•																				•	•	•	•	•	•		C	
AK-CC1108HP01	17	•																				•	•	•	•	•	•		S	
AK-CC1107EP01	17	•																				•	•	•	•	•	•		C	
AK-CC1105ES01	17	•																									•		C	
AK-CC1101EP02	18			•																		•	•	•	•	•	•		C	
AK-392BP01	18			•		•																							S	
AK-392	18			•		•																							S	
AK-CC1109BP01	18			•	•																	•	•						S	
AK-CC1113BP01	18	•																				•	•						S	
AK-CC3401BP01	19				•																								S	
AK-CC3402BP01	19						•															•							S	
AK-CC3403BP01	19						•															•							S	
AK-SC-C012-4677	20			•											•														S	
AK-SC-C022R01P01-3647	20			•																									S	
AK-SC-C022R02P01-2011	21				•										•														S	
AK-SC-C021R03P01-SP5	21						•															•							S	
AK-SC-C022R04P01-4677	21						•								•														S	
AK-SC-C022R04P01-SP5	21						•															•							S	
AK-SC-C031R03P01-2011	21						•								•														S	

† C = clip mounting RM = retention module S = screw mounting PP = push pins mounting

Intel® LGA 1851 / 1700

AK-CC6606BP01



PWM fan	omni-cooling	copper core	125W TDP
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Copper core cooler using an open frame 90mm PWM two ball bearing fan for low noise and reliable performance cooling.

- CPU: Intel® Core™ i7, i5, i3
- Socket: Intel® LGA1851 / LGA1700
- Heatsink: aluminium fins and copper core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 94.8 x 94.8 x 63.2mm
- Heatsink dimension: 87.2 x 85.2 x 35.52mm
- Fan dimension: Ø 90 x 25mm
- Fan: two ball bearing, DC12V
- Speed: 500 - 3400 RPM
- Max airflow: 40.90 CFM
- Max air pressure: 3.81 mm-H2O
- Max. sound: 36 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)



AK-CC6605EP01



PWM fan	omni-cooling	copper core	115W TDP
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Great value Intel® cooler with 95mm low noise PWM fan. Adjustable push-pins for easy mounting and reliable retention.

- CPU: Intel® Core™ i7, i5, i3
- Socket: Intel® LGA1851 / LGA1700
- Heatsink: aluminium fins and copper core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 95 x 95 X 59.2mm
- Heatsink dimension: 87.2 x 85.2 x 32.02mm
- Fan dimension: Ø 95 x 25mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 53.62 CFM
- Max air pressure: 4.87 mm-H2O
- Max sound: 36.6 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700

AK-CC6603EP01



PWM fan	omni-cooling	77W TDP
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Great value Intel® cooler with 95mm low noise PWM fan. Adjustable push-pins for easy mounting and reliable retention.

- CPU: Intel® Core™ i5 & i3
- Socket: Intel® LGA1851 / LGA1700
- Heatsink: aluminium fins and core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 95 x 95 X 59.2mm
- Heatsink dimension: 87.2 x 85.2 x 32.02mm
- Fan dimension: Ø 95 x 25mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 53.62 CFM
- Max air pressure: 4.87 mm-H2O
- Max sound: 36.6 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AK-CC6607EP01



PWM fan	omni-cooling	80W TDP
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Quiet aluminium cooler using an extra secure mounting with backplate and screws. 95mm PWM fan and multi directional heatsink for cost effective and efficient cooling.

- CPU: Intel® Core™ i5 & i3
- Socket: Intel® LGA1851 / LGA1700
- Heatsink: aluminium fins and core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 95 x 95 X 64.5mm
- Heatsink dimension: 87.2 x 85.2 x 36.96mm
- Fan dimension: Ø 95 x 25mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 53.62 CFM
- Air pressure: 4.87 mm-H2O
- Max sound: 36.6 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700

AK-CC6608BP01



PWM fan	omni-cooling	copper core	125W TDP
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Copper core cooler processors using an open frame 90mm PWM twin ball bearing fan for low noise and reliable performance cooling.

- CPU: Intel® Core™ i7, i5 & i3
- Socket: Intel® LGA1851 / LGA1700
- Heatsink: aluminium fins and copper core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 94.8 x 94.8 x 63.2mm
- Heatsink dimension: 87.2 x 85.2 x 35.52mm
- Fan dimension: Ø 90 x 25mm
- Fan: two ball bearing, DC12V
- Speed: 500 - 3400 RPM
- Max airflow: 40.90 CFM
- Air pressure: 3.81 mm-H2O
- Max sound: 36 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)



AK-CC6620BP01



PWM fan	omni-cooling	100W TDP
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Great value cooler with an open frame 90mm PWM twin ball bearing fan for low noise and reliable performance cooling.

- CPU: Intel® Core™ i7, i5 & i3
- Socket: Intel® LGA 1851 / 1700
- Heatsink: aluminium fins and core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 94.8 x 94.8 x 64.5mm
- Heatsink dimension: 87.2 x 85.2 x 36.96mm
- Fan dimension: 90 x 25 mm
- Fan: two ball bearing, DC12V
- Speed: 500 - 3400 RPM
- Max airflow: 40.9 CFM
- Max air pressure: 3.81 mm-H2O
- Max sound: 36 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1200 / 115X / 775

AK-CCE-7102EP



PWM fan	omni-cooling	73W TDP
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Great value compact cooler using PWM fan and high engineered aluminium heatsink with bi-ped fins for efficient and low noise cooling. Dual socket push-pins mounting for easy and reliable retention.

- CPU: Intel® Core™ i5, i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 95 x 95 x 54mm
- Heatsink dimension: 87.2 x 85.2 x 26.5mm
- Fan dimension: 80 x 80 x 25mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 35.31 CFM
- Max air pressure: 4.04 mm-H2O
- Max sound: 31 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AK-CCE-7104EP



PWM fan	omni-cooling	95W TDP
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Ultra quiet PWM fan and multi directional aluminium heatsink for cost effective performance cooler. Enter bearing 9cm fan and reliable dual socket push-pins mounting.

- CPU: Intel® Core™ i5, i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 94.8 x 94.8 x 62.3mm
- Heatsink dimension: 87.2 x 85.2 x 36.4mm
- Fan dimension: Ø 92 x 25mm (on 80mm fittings)
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 56.81 CFM
- Max air pressure: 4.05 mm-H2O
- Max sound: 30.54 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Air Cooling

Liquid Cooling

Fan Filter & Fan Guard

DC Fan

DC Blower Fan

Micro Fans and Blowers

PWM Fan Cable & Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM / ODM Cooling

Intel® LGA 1200 / 115X / 775

AK-CCE-7105EP



PWM fan	omni-cooling	95W TDP
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Low noise cooler using an extra-safe mounting with backplate and screws. Bi-ped fins maximise heat dissipation.

- CPU: Intel® Core™ i7, i5, i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 94.8 x 94.8 x 62.5mm
- Heatsink dimension: 87.2 x 85.2 x 36.4mm
- Fan dimension: Ø 92 x 25mm (on 80mm fittings)
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 55.4 CFM
- Max air pressure: 4.30 mm-H2O
- Max sound: 28.8 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AK-CC7108EP01
AK-CC7108ES01



PWM fan	omni-cooling	77W TDP
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Enter bearing 9cm fan and reliable dual socket push-pins mounting.

- CPU: Intel® Core™ i7, i5, i3
 - Socket: Intel® LGA1200 / LGA115X / LGA775
 - Heatsink: aluminium fins and core
 - Mounting: push-pins
 - Interface: pre-applied
 - Cooler dimension: 95 x 95 x 58.5mm
 - Heatsink dimensions: 87.2 x 85.2 x 31mm
 - Fan dimension: Ø 92 x 25mm
 - Fan: EBR bearing, DC12V
 - Speed: 600 - 3000 RPM (PWM)
 - Max airflow: 56.81 CFM
 - Max air pressure: 4.05 mm-H2O
 - Max sound: 30.54 dB(A)
 - Fan life expectancy: 40,000 hrs
 - Connector: 4-pin (PWM)
- for AK-CC7108ES01
- Speed: 2200 RPM (fixed)
 - Max airflow: 38.1 CFM
 - Max air pressure: 2.15 mm-H2O
 - Max sound: 27.9 dB(A)
 - Fan life expectancy: 40,000 hrs
 - Connector: 3-pin (fixed)



Intel® LGA 1200 / 115X / 775

AK-959CU



PWM fan	omni-cooling	copper core	115W TDP
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Low noise dual platform cooler using high engineered multi-directional heatsink with copper core for efficient cooling. PWM controlled fan and easy push-pins mounting.

- CPU: Intel® Core™ i7, i5, i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and copper core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 94.8 x 94.8 x 62mm
- Heatsink dimension: 87.2 x 85.2 x 35mm
- Fan dimension: Ø 92 x 25mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 56.81 CFM
- Max air pressure: 4.05 mm-H2O
- Max sound: 30.54 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700

AK-CC6609EP01



PWM fan	omni-cooling	low profile	35W TDP
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Ultra low profile 21.8mm heatsink with embedded fan provides a low noise compact cooling solution for thin mini-ITX and SFF chassis.

- CPU: Intel® Core™ T-Series
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 87.2 x 85.2 x 21.8 mm
- Heatsink dimension: 87.2 x 85.2 x 21.8mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 23.45 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AK-CC6601EP01



PWM fan	omni-cooling	low profile	35W TDP
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26.9mm heatsink with embedded fan provides a low noise compact cooling solution for mini-ITX and micro-ATX chassis.

- CPU: Intel® Core™ T-Series
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 87.2 x 85.2 x 26.92mm
- Heatsink dimension: 87.2 x 85.2 x 26.92mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 23.45 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700

AK-CC6602HP01



PWM fan	omni-cooling	low profile	73W TDP
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29.92mm heatsink with embedded fan provides a low noise compact cooling solution for mini-ITX and Micro-ATX chassis.

- CPU: Intel® Core™ i5 & i3
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and copper core
- Mounting: push-pins
- Interface: pre-applied
- Cooler dimension: 87.2 x 85.2 x 29.92 mm
- Heatsink dimension: 87.2 x 85.2 x 29.92 mm
- Fan dimension: Ø 74 x 15mm
- Fan: HD bearing, DC12V
- Speed: 600 - 3000 RPM (PWM)
- Max airflow: 33.50 CFM
- Max air pressure: 3.76mm-H2O
- Max sound: 28.71 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 4-pin (PWM)



AK-CC6610EP01



PWM fan	omni-cooling	low profile	65W TDP
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Low profile CPU cooler with copper base and embedded 75mm PWM fan.

- CPU: Intel® Core™ i5, i3
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and copper core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 85.2 x 87.2 x 26.92mm
- Heatsink dimension: 85.2 x 87.2 x 26.92mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM (PWM)
- Max airflow: 23.45 CFM
- Max air pressure: 1.81mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Air Cooling

Liquid Cooling

Fan Filter & Fan Guard

DC Fan

DC Blower Fan

Micro Fans and Blowers

PWM Fan Cable & Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM / ODM Cooling

Intel® LGA 1851 / 1700

AK-CC6616HP01



PWM fan	omni-cooling	low profile	73W TDP
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29.92mm heatsink with embedded fan provides a low noise compact cooling solution up to 73W TDP in mini-ITX and Micro-ATX chassis.

- CPU: Intel® Core™ i5 & i3
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and copper core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 87.2 x 85.2 x 29.92 mm
- Fan dimension: Ø74 x 15 mm
- Fan: HD bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 33.50 CFM
- Max air pressure: 3.76 mm-H2O
- Max sound: 28.71dB(A)
- Fan life expectancy: 50,000 hours
- Connector: 4-pin (PWM)



AK-CC6614EP01



PWM fan	omni-cooling	low profile	35W TDP
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Low profile CPU cooler with embedded 75mm PWM fan featuring reliable EBR bearing.

- CPU: Intel® Core™ T-Series
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 85.2 x 87.2 x 26.92mm
- Heatsink dimension: 85.2 x 87.2 x 26.92mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM (PWM)
- Max airflow: 23.45 CFM
- Max air pressure: 1.81mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700

AK-CC6613EP01



PWM fan	omni-cooling	low profile	35W TDP
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Low profile CPU cooler with embedded 75mm PWM fan up to 3600RPM.

- CPU: Intel® Core™ T-Series
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 85.2 x 87.2 x 26.92mm
- Heatsink dimension: 85.2 x 87.2 x 26.92mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3600 RPM (PWM)
- Max airflow: 31 CFM
- Max air pressure: 2.42mm-H2O
- Max sound: 34 dB(A)
- Fan life expectancy: 35,000 hrs
- Connector: 4-pin (PWM)



AK-CC6612EP01



PWM fan	omni-cooling	low profile	65W TDP
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Low profile CPU cooler with copper base and embedded 75mm PWM fan up to 3600RPM.

- CPU: Intel® Core™ i5, i3
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins and copper core
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 85.2 x 87.2 x 26.92mm
- Heatsink dimension: 85.2 x 87.2 x 26.92mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3600 RPM (PWM)
- Max airflow: 31 CFM
- Max air pressure: 2.42mm-H2O
- Max sound: 34 dB(A)
- Fan life expectancy: 35,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1200 / 115X

AK-CC6309EP01

PWM
fanomni-
coolinglow
profile35W
TDP

16mm ultra-low profile cooler for HTPC and low profile cases.

- CPU: Intel® Core™ T-Series
- Socket: Intel® LGA1200 / LGA115X
- Heatsink: aluminium fins
- Mounting: screws and retention backplate
- Interface: sachet supplied
- Cooler dimension: 85 x 85 x 16mm
- Heatsink dimension: 85 x 85 x 16mm
- Fan dimension: Ø 64.5 x 11mm
- Fan: EBR bearing, DC12V
- Speed: 2200 - 4000 RPM (PWM)
- Max airflow: 24.61 CFM
- Max air pressure: 2.76mm-H2O
- Max sound: 32.8 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AK-CC6308EP01

PWM
fanomni-
coolinglow
profile65W
TDP

Low profile cooler with sickle-shape fan blades for Mini-ITX and HTPC cases.

- CPU: Intel® Core™ i7, i5, i3
- Socket: Intel® LGA1200 / LGA115X
- Heatsink: aluminium fins
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 96 x 96 x 31.8mm
- Heatsink dimension: 95 x 95 x 15mm
- Fan dimension: 96 x 96 x 16.8mm
- Fan: EBR bearing, DC12V
- Speed: 800 - 2800 RPM (PWM)
- Max airflow: 36.28 CFM
- Max air pressure: 1.7mm-H2O
- Max sound: 37.6 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1200 / 115X / 775

AK-CC7129EP01

AK-CC7129BP01

PWM
fanomni-
coolinglow
profile35W
TDP

21mm heatsink provides a low noise ultra compact cooling solution for Intel® LGA1200, LGA115X processors in mini-ITX and SFF chassis.

- CPU: Intel® Core™ i5, i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and core
- Mounting: screws and backplate
- Interface: pre-applied
- Cooler dimension: 85.2 x 87.2 x 21mm
- Heatsink dimension: 87.2 x 85.2 x 21mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC 12V
- Speed: 600 - 3000 RPM
- Max airflow: 23.45 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)

for AK-CC7129BP01:

- Fan: two ball bearing, DC 12V
- Speed: 600 - 3000 RPM
- Max airflow: 21.69 CFM
- Max air pressure: 1.73 mm-H2O
- Max sound: 27.9 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AK-CC7122EP01

AK-CC7122BP01

PWM
fanomni-
coolinglow
profile45W
TDP

26mm heatsink provides a low noise ultra compact cooling solution for Intel® LGA1200, LGA115X processors in mini-ITX and SFF chassis.

- CPU: Intel® Core™ i5, i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and core
- Mounting: push-pin
- Interface: pre-applied
- Cooler dimension: 87.2 x 85.2 x 26mm
- Heatsink dimension: 87.2 x 85.2 x 26mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR bearing, DC 12V
- Speed: 600 - 3000 RPM
- Max airflow: 23.45 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)

for AK-CC7122BP01:

- Fan: two ball bearing, DC 12V
- Speed: 600 - 3000 RPM
- Max airflow: 23.45 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700 / 1200 / 115X / 1366 / 1356

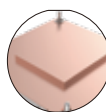
Intel® LGA 1851 / 1700 / 1200 / 115X / 775

AK-CC7402BT01

auto
thermalomni-
coolingall
copper130W
TDP**2U low profile height CPU cooler.**

Featuring spring-loaded screws for added stability and 100% copper heatsink for increased thermal conductivity.

- CPU: Intel® Core™ i9, i7, i5 & i3
- Socket: Intel® LGA 1851 / 1700 / 1200 / 115X / 1356 / 136
- Heatsink: copper fins
- Mounting: screws and retention backplate
- Interface: syringe supplied
- Cooler dimension: 90 x 89 x 42.5mm
- Heatsink dimension: 90 x 89 x 27.5mm
- Fan dimension: 70 x 70 x 15 mm
- Fan: two ball bearing, DC12V
- Speed: 3000 - 6000 RPM
- Max airflow: 46.98 CFM
- Max air pressure: 8.94 mm-H2O
- Max sound: 46.5 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 3-pin (auto-thermal)



AK-CC7401BP01

PWM
fan

1U

all
copper30.5mm
height95W
TDP**1U low profile CPU cooler with side blower fan.**

Featuring spring-loaded screws for added stability and a copper heatsink for increased thermal conductivity.

- CPU: Intel® Core™ i9, i7, i5 & i3
- Socket: Intel® LGA 1851 / 1700 / 1200 / 115X / 775
- Heatsink: copper fins
- Mounting: screws and retention backplate
- Interface: syringe supplied
- Cooler dimension: 88 x 87 x 30.5mm
- Heatsink dimension: 88 x 87 x 14.3mm
- Fan dimension: 77 x 75 x 15mm
- Fan: two ball bearing, DC12V
- Speed: 1200 - 5500 RPM
- Max airflow: 10.75 CFM
- Max air pressure: 28.04 mm-H2O
- Max sound: 52 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700 / 1200 / 115X

AK-CC7409BP01

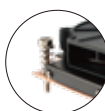
PWM
fan

1U

VC plate
with
copper fins125W
TDP**1U low profile height CPU cooler.**

Featuring spring-loaded screws for added stability and VC heatsink for increased thermal conductivity.

- CPU: Intel® Core™ i9, i7, i5 & i3
- Socket: Intel® LGA 1851 / 1700
- Heatsink: copper fins with vapour chamber plate
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 90 x 90 x 29.5mm
- Heatsink dimension: 90 x 90 x 12.5mm
- Fan dimension: 77 x 75 x 15 mm
- Fan: two ball bearing, DC12V
- Speed: 1200 - 5500 RPM
- Max airflow: 10.75 CFM
- Max air pressure: 28.04 mm-H2O
- Max sound: 52 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)



AK-CC7406BP01

PWM
fan

1U

all
copper28.3mm
height95W
TDP**1U low profile CPU cooler at 28mm height with side blower fan up to 95W TDP.**

Featuring spring-loaded screws for added stability and a copper heatsink for increased thermal conductivity.

- CPU: Intel® Core™ i9, i7, i5 & i3
- Socket: Intel® LGA 1851 / 1700 / 1200 / 115X
- Heatsink: copper fins
- Mounting: screws and retention backplate
- Interface: syringe supplied
- Cooler dimension: 88 x 87 x 28.3 mm
- Heatsink dimensions: 88 x 87 x 13.3 mm
- Fan dimension: 77 x 75 x 15 mm
- Fan: two ball bearing, DC12V
- Speed: 1200 - 5500 RPM
- Max airflow: 10.75 CFM
- Max air pressure: 28.04 mm-H2O
- Max sound: 52 dB(A)
- Fan life expectancy: 80,000 hours
- Connector: 4-pin (PWM)



Intel® LGA 1851 / 1700

AK-CC7407BP01

PWM
fan

1U

all
copperSplit
bracket95W
TDP

1U low profile CPU cooler at 30mm height with side blower fan up to 95W TDP. Featuring spring-loaded screws for added stability and a copper heatsink for increased thermal conductivity. Includes split bracket for motherboards with large mounted backplate for the LGA-socket.

- CPU: Intel® Core™ i9, i7, i5, i3
- Socket: Intel® LGA1851 / 1700
- Heatsink: copper fins
- Mounting: screws and split backplate
- Interface: syringe supplied
- Cooler dimension: 88 x 87 x 30.5 mm
- Heatsink dimension: 88 x 87 x 14.3 mm
- Fan dimensions: 77 x 75 x 15 mm
- Fan: two ball bearing, DC12V
- Speed: 1200 - 5500 RPM
- Max airflow: 10.75 CFM
- Max air pressure: 28.04 mm-H2O
- Max sound: 52 dB(A)
- Fan life expectancy: 80,000hrs
- Connector: 4-pin (PWM)



AK-CC7502BP01



2U

5HP

240W
TDP

Compact active cooler with five embedded copper heat pipes, dense aluminium finned heat sink and 60mm PWM fan for 2U systems.

- CPU: Intel® Core™ i9, i7, i5, i3
- Socket: Intel® LGA1851 / 1700
- Heatsink: aluminium fins with five copper heat pipes
- Mounting: screws and retention backplate
- Interface: pre-applied
- Cooler dimension: 88 x 90 x 67.3mm
- Fan dimension: 60 x 60 x 25 mm
- Fan: two ball bearing, DC12V
- Speed: 2600 - 8000 RPM
- Max airflow: 47.2 CFM
- Max air pressure: 22 mm-H2O
- Max sound: 52.5 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1200 / 115X / 775

AK-CCE-7106HP

PWM
fanomni-
coolingcopper
corelow
profile73W
TDP

30mm heatsink with embedded S-Flow fan and copper core provides a low noise ultra compact cooling solution for Intel® LGA775, LGA115X processors in mini-ITX and SFF chassis.

- CPU: Intel® Core™ i7, i5 & i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and copper core
- Mounting: push-pin
- Interface: pre-applied
- Cooler dimension: 87.2 x 85.2 x 29.5mm
- Heatsink dimension: 87.2 x 85.2 x 29.5mm
- Fan dimension: Ø 74 x 15mm
- Fan: HD bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 33.50 CFM
- Max air pressure: 3.76 mm-H2O
- Max sound: 28.71 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 4-pin (PWM)



AK-CC7124EP01

PWM
fanomni-
coolingcopper
corelow
profile65W
TDP

23.5mm heatsink provides a low noise ultra compact cooling solution for Intel® LGA775, LGA115X processors in mini-ITX and SFF chassis.

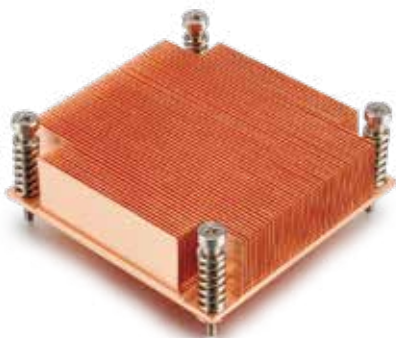
- CPU: Intel® Core™ i5, i3
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: aluminium fins and copper core
- Mounting: push-pin
- Interface: pre-applied
- Cooler dimension: 85.2 x 87.2 x 23.5mm
- Heatsink dimension: 85.2 x 87.2 x 23.5mm
- Fan dimension: Ø 75 x 10mm
- Fan: EBR, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 23.45 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 30.75 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1200 / 115X / 775

Intel® LGA 1200 / 115X

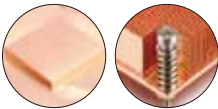
AK-CC7111



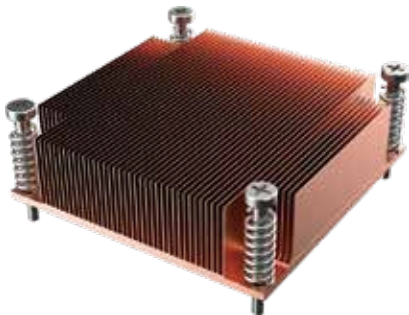
all copper	1U	95W TDP
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High performance low profile passive copper cooler for Intel® LGA1200, LGA115X. Suitable for 1U server chassis and small form factor enclosures.

- CPU: Intel® Core™ i7, i5, i3 and Xeon®
- Socket: Intel® LGA1200 / LGA115X / LGA775
- Heatsink: copper fins
- Mounting: screws and retention backplate
- Interface: sachet or syringe supplied
- Heatsink dimension: 83 x 83 x 27mm



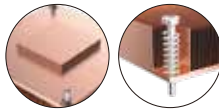
AK-CC6313



all copper	1U	95W TDP
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Pure copper skived finned high performance low profile passive copper cooler for Intel® LGA1200, LGA115X. Suitable for 1U server chassis and small form factor enclosures.

- CPU: Intel® Core™ i7, i5, i3 and Xeon®
- Socket: Intel® LGA1200 / LGA115X
- Heatsink: copper fins
- Mounting: screws and retention backplate
- Interface: sachet or syringe supplied
- Heatsink dimension: 83 x 83 x 27mm



Intel® LGA 4677

AK-CC9501BP01



2U

5HP

420W
TDP

5 heat pipes with fine-fins active cooler for 2U systems.

- Socket: Intel® LGA4677
- Heatsink: aluminium fins with copper base and five copper heat pipes
- Mounting: mounting screws (cooler include E1B carrier)
- Interface: pre-applied
- Cooler dimension: 118 x 79 x 64.5mm
- Fan: two ball bearing, DC12V
- Fan dimension: 60 x 60 x 25mm
- Speed: 3000 - 11000 RPM
- Max airflow: 62 CFM
- Max air pressure: 38.5 mm-H2O
- Max sound: 58.5 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

AK-CC9503BP01



2U

5HP

300W
TDP

5 heat pipes with fine-fins active cooler for 2U systems.

- Socket: Intel® LGA4677
- Heatsink: aluminium fins with copper base and five copper heat pipes
- Mounting: mounting screws (cooler include E1B carrier)
- Interface: pre-applied
- Cooler dimension: 80 x 118 x 66.5mm
- Fan: two ball bearing, DC12V
- Fan dimension: 60 x 60 x 25mm
- Speed: 2600 - 8000 RPM
- Max airflow: 47.2 CFM
- Max air pressure: 22 mm-H2O
- Max sound: 52.5 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

AK-CC9502BP01



4U

6HP

450W
TDP

6 heat pipes with fine-fins active cooler for 4U systems.

- Socket: Intel® LGA4677
- Heatsink: aluminium fins with copper base and six copper heat pipes
- Mounting: mounting screws (cooler include E1B carrier)
- Interface: pre-applied
- Cooler dimension: 120 x 135 x 153mm
- Fan: two ball bearing, DC12V
- Fan dimension: 120 x 120 x 28.5mm (2 fans)
- Speed: 1000 - 2200 RPM
- Max airflow: 72.68 CFM
- Max air pressure: 3.18 mm-H2O
- Max sound: 36 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

AK-CC9504BP01V1



4U

6HP

425W
TDPDual
PWM
Fan

6 heat pipes with fine-fins active cooler for 4U systems.

- Socket: Intel® LGA4677
- Heatsink: aluminium fins with copper base and six copper heat pipes
- Mounting: mounting screws (cooler include E1B carrier)
- Interface: pre-applied
- Cooler dimension: 127.5 x 101.4 x 150mm
- Fan: two ball bearing, DC12V
- Fan dimension: 120 x 120 x 26.2mm (2 fans)
- **Obverse fan:**
 - Speed: 800 - 2100 RPM
 - Max airflow: 77.8 CFM
 - Max air pressure: 4.1 mm-H2O
 - Max sound: 32.2 dB(A)
- **Reverse fan:**
 - Speed: 700 - 1800 RPM
 - Max airflow: 58.3 CFM
 - Max air pressure: 2.5 mm-H2O
 - Max sound: 32 dB(A)
 - Fan life expectancy: 80,000 hrs
 - Connector: 4-pin (PWM)

AK-CC9505BP01



4U

6HP

350W
TDP

6 heat pipes with fine-fins active cooler for 4U systems.

- Socket: Intel® LGA4677
- Heatsink: aluminium fins with copper base and six copper heat pipes
- Mounting: mounting screws (cooler include E1B carrier)
- Interface: pre-applied
- Cooler dimension: 92.5 x 119.2 x 125.5mm
- Fan: two ball bearing, DC12V
- Fan dimension: 92 x 92 x 25mm
- Speed: 1900 - 3800 RPM
- Max airflow: 60.5 CFM
- Max air pressure: 5.62 mm-H2O
- Max sound: 43.56 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
BlowersPWM Fan Cable &
Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling

Intel® LGA 4189

Air Cooling

Liquid Cooling

Fan Filter & Fan Guard

DC Fan

DC Blower Fan

Micro Fans and Blowers

PWM Fan Cable & Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM / ODM Cooling

AK-CC9401BP01



1U	vapour chamber	copper fin	205W TDP
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1U active cooler with copper fins and vapour chamber base for Intel® LGA4189 socket.

- Socket: Intel® LGA4189
- Heatsink: copper fins with vapour chamber
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 113 x 80 x 28mm
- Fan: two ball bearing, DC12V
- Fan dimension: 80 x 80 x 15mm
- Speed: 1500 - 6600 RPM
- Max airflow: 21 CFM
- Max air pressure: 55.2 mm-H2O
- Max sound: 62 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

AK-CC9402



1U	copper base	205W TDP
----	-------------	----------

1U passive copper-base cooler for Intel® LGA4189 socket.

- Socket: Intel® LGA4189
- Heatsink: aluminium fins with copper base
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 113 x 80 x 28mm

Intel® LGA 4189

AK-CC9403



2U	5HP	copper base	300W TDP
----	-----	-------------	----------

2U passive cooler with 5 heat pipes for Intel® LGA4189 socket.

- Socket: Intel® LGA4189
- Heatsink: aluminium fins with copper base and five copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 113 x 78 x 64.5mm

AK-CC9404BP01



2U	5HP	300W TDP
----	-----	----------

2U active cooler with 5 heat pipes for Intel® LGA4189 socket.

- Socket: Intel® LGA4189
- Heatsink: aluminium fins with five copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 113 x 80 x 66.3mm
- Fan: two ball bearing, DC12V
- Fan dimension: 60 x 60 x 25mm
- Speed: 2600 - 8000 RPM
- Max airflow: 47.2 CFM
- Max air pressure: 22 mm-H2O
- Max sound: 52.5 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

Intel® LGA 4189

AK-CC9405BP01



3U

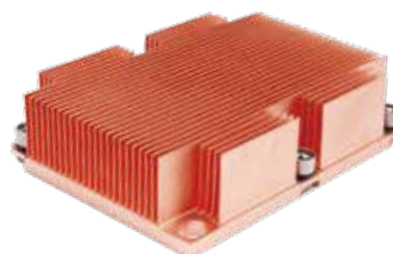
6HP

copper
base350W
TDP**3U active cooler with 6 heat pipes for Intel® LGA4189 socket.**

- Socket: Intel® LGA4189
- Heatsink: aluminium fins with copper base and six copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 116.7 x 92.5 x 125.5mm
- Fan: two ball bearing, DC12V
- Fan dimension: 92 x 92 x 25mm
- Speed: 1900 - 3800 RPM
- Max airflow: 60.5 CFM
- Max air pressure: 5.62 mm-H2O
- Max sound: 43.56 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

Intel® LGA 3647 (Narrow ILM)

AK-CC9301



1U

pure
coppernarrow
ILM165W
TDP**Pure copper passive cooler for 1U systems.**

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: copper fins
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 25.5mm

Intel® LGA 3647 (Narrow ILM)

AK-CC9302



1U

narrow
ILM95W
TDP**Aluminium passive cooler for 1U systems.**

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: aluminium fins
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 25.5mm

AK-CC9303



1U

copper
basenarrow
ILM165W
TDP**Copper base passive cooler for 1U systems.**

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: aluminium fins with copper base
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 25.5mm

Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
BlowersPWM Fan Cable &
Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling

Intel® LGA 3647 (Narrow ILM)

AK-CC9304



2U

narrow
ILM140W
TDP

Aluminium passive cooler for 2U systems.

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: aluminium fins
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 64mm

AK-CC9305



2U

copper
basenarrow
ILM205W
TDP

4 heat pipes with fine-fins passive cooler for 2U systems.

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: aluminium fins with copper base and four copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 64mm

Intel® LGA 3647 (Narrow ILM)

AK-CC9306BP01



2U

4HP

narrow
ILM205W
TDP

4 heat pipes with fine-fins active cooler for 2U systems.

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: aluminium fins and base with copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 64.5mm
- Fan: two ball bearing, DC12V
- Fan dimension: 60 x 60 x 25mm
- Speed: 2600 - 8000 RPM
- Max airflow: 47.2 CFM
- Max air pressure: 22 mm-H2O
- Max sound: 52.5 dB(A)
- Fan life expectancy: 70,000 hrs
- Connector: 4-pin (PWM)

AK-CC9307BP01



3U

5HP

copper
basenarrow
ILM205W
TDP

5 heat pipes with fine-fins active cooler for 3U systems.

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: aluminium fins with four copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 92 x 120mm
- Fan: two ball bearing, DC12V
- Fan dimension: 92 x 92 x 25mm
- Speed: 0 - 4000 RPM
- Max airflow: 72.8 CFM
- Max air pressure: 6.9 mm-H2O
- Max sound: 50 dB(A)
- Fan life expectancy: 70,000 hrs
- Connector: 4-pin (PWM)

Intel® LGA 3647 (Narrow ILM)

Intel® LGA 3647 (Square ILM)

AK-CC9308

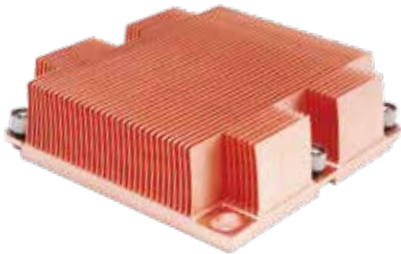


1U	4HP	Narrow ILM	180W TDP
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4 heat pipes with fine-fins passive cooler for 1U systems.

- Socket: Intel® LGA3647 (Narrow ILM)
- Heatsink: aluminium fins with copper base and four heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 25.5mm

AK-CC9201



1U	pure copper	square ILM	165W TDP
----	-------------	------------	----------

Pure copper passive cooler for 1U systems.

- Socket: Intel® LGA3647 (Square ILM)
- Heatsink: copper fins
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 91 x 88 x 25.5mm

Intel® LGA 3647 (Square ILM)

AK-CC9202



1U	square ILM	95W TDP
----	------------	---------

Aluminium passive cooler for 1U systems.

- Socket: Intel® LGA3647 (Square ILM)
- Heatsink: aluminium fins
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 91 x 88 x 25.5mm

AK-CC9203



2U	square ILM	140W TDP
----	------------	----------

Aluminium passive cooler for 2U systems.

- Socket: Intel® LGA3647 (Square ILM)
- Heatsink: aluminium fins
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 91 x 90 x 64mm

Intel® LGA 3647 (Square ILM)

AK-CC9204



2U	4HP	copper base	square ILM	205W TDP
----	-----	-------------	------------	----------

4 heat pipes with fine-fins passive cooler for 2U systems.

- Socket: Intel® LGA3647 (Square ILM)
- Heatsink: aluminium fins with copper base and four copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 91 x 88 x 64.2mm

AK-CC9205BP01



2U	4HP	copper base	square ILM	205W TDP
----	-----	-------------	------------	----------

4 heat pipes with fine-fins active cooler for 2U systems.

- Socket: Intel® LGA3647 (Square ILM)
- Heatsink: aluminium fins with copper base and four copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 91 x 88 x 64.5mm
- Fan: two ball bearing, DC12V
- Fan dimension: 60 x 60 x 25mm
- Speed: 1600 - 6800 RPM
- Max airflow: 34.74 CFM
- Max air pressure: 14.13 mm-H₂O
- Max sound: 54.34 dB(A)
- Fan life expectancy: 70,000 hrs
- Connector: 4-pin (PWM)

Intel® LGA 3647 (Square ILM)

AK-CC9206BP01



3U	5HP	copper base	square ILM	205W TDP
----	-----	-------------	------------	----------

5 heat pipes with fine-fins active cooler for 3U systems.

- Socket: Intel® LGA3647 (Square ILM)
- Heatsink: aluminium fins with copper base and five copper heat pipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 91 x 88 x 120mm
- Fan: two ball bearing, DC12V
- Fan dimension: 92 x 92 x 25mm
- Speed: 0 - 4000 RPM
- Max airflow: 72.8 CFM
- Max air pressure: 6.9 mm-H₂O
- Max sound: 50 dB(A)
- Fan life expectancy: 70,000 hrs
- Connector: 4-pin (PWM)

AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1

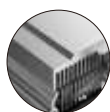
AK-CC1110EP01



65W
TDP

Extra compact cooler with PWM fan and aluminium heatsink.

- CPU: AMD Ryzen™
- Socket: AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1, 754, 939, 940
- Heatsink: aluminium fins
- Mounting: cam-lever clip
- Interface: pre-applied
- Cooler dimension: 80 x 80 x 41.3mm
- Heatsink dimension: 80 x 78 x 30.5mm
- Fan dimension: 80 x 80 x 10.8mm
- Fan: EBR Bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 26.53 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 27.09 dB(A)
- Fan life expectancy: 40,000 hours
- Connector: 4-pin (PWM)



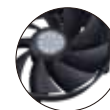
AK-CC1108HP01



95W
TDP

Cost-effective performance AMD cooler with 120mm fan and sunflower-designed aluminium fins.

- CPU: AMD Ryzen™, FX, A-Series, Phenom II, Sempron™
- Socket: AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1
- Heatsink: aluminium fins
- Mounting: screw mounting
- Interface: sachet supplied
- Cooler dimension: 120 x 120 x 63mm
- Heatsink dimension: Ø95mm x 38mm
- Fan dimension: Ø120 x 25mm
- Fan: HD bearing, DC12V
- Speed: 500 - 1800 RPM
- Max airflow: 51.3 CFM
- Max air pressure: 1.62 mm-H2O
- Max sound: 32.5 dB(A)
- Fan life expectancy: 30,000 hrs
- Connector: 4-pin (PWM)



AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1

AK-CC1107EP01



95W
TDP

Low noise, efficient cooling for AMD processors. 55.5mm low-profile height enables installation in compact cases.

- CPU: AMD Ryzen™, FX, A-Series, Phenom II, Sempron™
- Socket: AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1
- Heatsink: aluminium fins
- Mounting: cam-lever clip
- Interface: pre-applied
- Cooler dimension: 80 x 80 x 55.5 mm
- Heatsink dimension: 80 x 78 x 30.5mm
- Fan dimension: 80 x 80 x 25 mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM (PWM)
- Max airflow: 35.31 CFM
- Max air pressure: 4.04 mm-H2O
- Max sound: 31 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AMD Socket A & Intel Socket 370

AK-CC1105ES01



Cost-effective replacement cooler designed for AMD Athlon XP/MP & Intel® Pentium III/Celeron processors.

- CPU: AMD Athlon XP/MP & Intel Pentium III/Celeron
- Socket: AMD Socket A & Intel Socket 370
- Heatsink: aluminium fins
- Mounting: two point clip
- Interface: sachet supplied
- Cooler dimension: 56.8 x 52 x 48.7mm
- Heatsink dimension: 56.8 x 52 x 31.7mm
- Fan dimension: 50 x 50 x 15 mm
- Fan: EBR bearing, DC12V
- Speed: 5300 RPM
- Max airflow: 13.15 CFM
- Max air pressure: 5.02 mm-H2O
- Max sound: 38.0 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 3-pin

Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
Blowers

PWM Fan Cable &
Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling

AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1

AMD AM3+ / AM3 / AM2+ / AM2

AK-CC1101EP02



PWM fan

low profile

35W TDP

Compact aluminium cooler with PWM fan for mini-ITX systems based on AMD platform.

- CPU: AMD Ryzen™, A-Series, Sempron™
- Socket: AMD AM5 / AM4 / AM3+ / AM3 / AM2+ / AM2 / FM2+ / FM2 / FM1
- Heatsink: aluminium fins
- Mounting: cam-lever clip
- Interface: pre-applied
- Cooler dimension: 80 x 80 x 30.8mm
- Heatsink dimension: 80 x 77 x 18mm
- Fan dimension: 80 x 80 x 10mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 26.53 CFM
- Max air pressure: 1.81 mm-H2O
- Max sound: 27.09 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AK-392BP01 AK-392



PWM fan

all copper

auto thermal

2U

125W TDP

Low profile 2U active cooler with all copper heatsink and auto thermal fan for performance and controlled cooling. Spring loaded screws and backplate mounting.

- CPU: AMD Athlon 64, Athlon 64 X2, Phenom X3, Opteron
- Socket: AMD AM3+ / AM3 / AM2+ / AM2
- Heatsink: copper fins
- Mounting: screws and retention backplate
- Interface: sachet supplied
- Cooler dimension: 106 x 74 x 36.5mm
- Heatsink dimension: 106 x 72 x 19mm
- Fan dimension: 70 x 70 x 15mm

for AK-392BP01:

- Fan: two ball bearing, DC 12V
- Speed: 1000 - 5000 RPM
- Max airflow: 37.24 CFM
- Max air pressure: 6.015 mm-H2O
- Max sound: 42.4 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 4-pin (PWM)

for AK-392:

- Fan: two ball bearing, DC 12V
- Speed: 3000 - 6000 RPM
- Max airflow: 46.98 CFM
- Max air pressure: 8.94 mm-H2O
- Max sound: 46.5 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 4-pin (PWM)



AMD AM5 / AM4

AK-CC1109BP01



1U

all copper

PWM fan

75W TDP

Low profile CPU cooler with side blower fan for AM5 / AM4 socket.

- CPU: AMD Ryzen™
- Socket: AMD AM5 / AM4
- Heatsink: copper fins
- Mounting: mounting screws
- Interface: sachet supplied
- Cooler dimension: 104 x 75.94 x 27.6mm
- Heatsink dimension: 70.2 x 104 x 10.8mm
- Fan dimension: 77 x 75 x 15mm
- Fan: two ball bearing, DC12V
- Speed: 1200 - 5500 RPM
- Max airflow: 10.75 CFM
- Max air pressure: 28.04 mm-H2O
- Max sound: 52 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

AK-CC1113BP01



PWM Fan

Copper core

110W

Great value AMD cooler with 95mm low noise PWM fan. Spring-loaded screws for stability.

- CPU: AMD Ryzen™
- Socket: AMD AM4 / AM5
- Heatsink: aluminium fins and copper core
- Mounting: mounting screw
- Interface: pre-applied
- Cooler dimension: 100 x 95 x 55mm
- Heatsink dimension: Ø 87.2 x 30mm
- Fan dimension: 95 x 25 mm
- Fan: EBR bearing, DC12V
- Speed: 600 - 3000 RPM
- Max airflow: 53.62 CFM
- Max air pressure: 4.87 mm-H2O
- Max sound: 36.6 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



AMD SP6

AK-CC3401BP01



2U	5HP	PWM Fan	350W TDP
----	-----	---------	----------

5 heat pipes with fine-fins active cooler for 2U systems.

- CPU: AMD Siena EPYC™ processor
- Socket: AMD SP6 / sTR5
- Heatsink: aluminium fins with five copper heat pipes
- Mounting: mounting screw
- Interface: pre-applied
- Cooler dimension: 115 x 78.9 x 66.3mm
- Fan dimension: 60 x 60 x 25 mm
- Fan: two ball bearing, DC12V
- Speed: 2600 - 8000 RPM
- Max airflow: 47.2 CFM
- Max air pressure: 22 mm-H2O
- Max sound: 52.5 dB(A)
- Fan life expectancy: 70,000 hrs
- Connector: 4-pin (PWM)



AK-CC3402BP01



4U	6HP	PWM Fan	340W TDP
----	-----	---------	----------

6 heat pipes with fine-fins active cooler for 4U systems.

- CPU: AMD Siena EPYC™ processor
- Socket: AMD SP6 / sTR5
- Heatsink: aluminium fins with six copper heat pipes
- Mounting: mounting screw
- Interface: pre-applied
- Cooler dimension: 118 x 104 x 124.7mm
- Fan dimension: 100 x 100 x 28.5 mm
- Fan: two ball bearing, DC12V
- Speed: 1500 - 3800 RPM
- Max airflow: 98 CFM
- Max air pressure: 8.65 mm-H2O
- Max sound: 38.5 dB(A)
- Fan life expectancy: 70,000 hrs
- Connector: 4-pin (PWM)



AMD SP6

AK-CC3403BP01



4U	6HP	Dual PWM Fan	430W TDP
----	-----	--------------	----------

6 heat pipes with fine-fins active cooler for 4U systems.

- CPU: AMD Siena EPYC™ processor
- Socket: AMD SP6 / sTR5
- Heatsink: aluminium fins with six copper heat pipes
- Mounting: mounting screw
- Interface: pre-applied
- Cooler dimension: 120 x 134.5 x 153mm
- Fan dimension: 120 x 120 x 28.5 mm
- Fan: two ball bearing, DC12V
- Speed: 1000 - 2200 RPM
- Max airflow: 72.68 CFM
- Max air pressure: 3.18 mm-H2O
- Max sound: 36 dB(A)
- Fan life expectancy: 70,000 hrs
- Connector: 4-pin (PWM)



Air Cooling

Liquid Cooling

Fan Filter & Fan Guard

DC Fan

DC Blower Fan

Micro Fans and Blowers

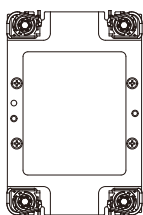
PWM Fan Cable & Fan Accessories

Thermal Interface

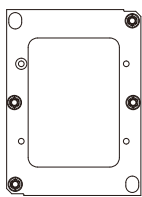
M.2 SSD Cooling

Industrial OEM / ODM Cooling

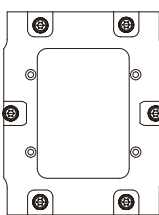
Liquid Cooling



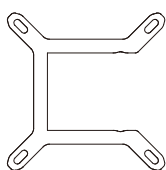
Intel
LGA4677



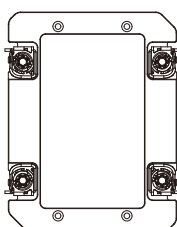
Intel
LGA3647



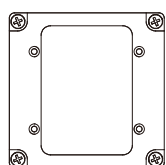
AMD SP5



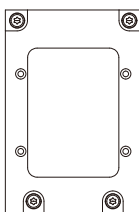
Intel
LGA1851/1700/2011/2066



Intel
LGA7529



Intel
LGA2011/2066



AMD SP3/SP6

Liquid cooler model number scheme explanation

AK-SC-C012R01P01-7529

2 Number of Cold Plates

1 = 1 cold plate
2 = 2 cold plates
4 = 4 cold plates

The number of sockets on the motherboard determines the number of cold plates required.

01

Radiator Model	Profile Height
01_05	1U
02_06	2U
03_04	4U

Various fan thicknesses are available to accommodate different static pressure requirements.

7529 Socket Type

Intel (LGA)	AMD
1851/1700/2066/2011	SP3 / SP6
3647	SP5
4677/4710	
7529	

*Note: Our liquid coolers can be customised based on the feature options outlined above. The model number scheme explanation explains the available configurations, with numerous combinations possible.

Fan Options

Profile	Fan frame size (mm)
1U	40
2U	80
4U	120

Supported Thermal Design Power (TDP)

Radiator profile	Fan frame size (mm)	Maximum fan thickness (mm)	Number of cold plates	Maximum TDP (W)
1U	40	28	1	350
1U	40	28	2	600
2U	80	38	1	350
2U	80	38	2	650
4U	120	38	1	350
4U	120	38	2	750

Open Loop

AK-SC-C012-4677



**700W
TDP**

High-performance flexible tubing with premium quick-release connector fittings and dual cold plates designed for two Intel® Xeon® 4th / 5th generation processors up to 700W TDP.

- Socket: Intel® LGA4677
- Cold plate dimension: 118 x 78 x 24mm (including processor socket)
- Tube length: 340mm x1, 782mm x1, 792mm x1
- Connector: Quick-release couplings
- TDP: 700W (350W x2)
- Cold plate inlet temp.: 40°C
- Flow: 1.0~1.2 LPM
- Pressure drop: with connector, 1.2LPM, < 45 KPa
- Allowable pressure: 0.8MPa



Closed Loop - 1U

AK-SC-C022R01P01-3647



1U

**600W
TDP**

High-performance closed loop liquid cooler with space saving 1U fin-stacked radiator and integrated pump. Option with seven 4028mm fans. Available with dual cold plates designed for two Intel® Xeon® 4th / 5th generation processors up to 600W TDP.

- Socket support: Intel® LGA3647
- Cold plate dimension: 108 x 78 x 25.1mm
- Radiator dimension: 389 x 73 x 38.9mm
- Tube length: 450mm x3
- TDP: 600W
- Pump spec
 - Rated voltage: DC 12V
 - Start voltage: ≥6V
 - Rated current: 0.3A (0.45A Max)
 - Speed: 4000±10% RPM
 - Flow: 750 ml/min
 - Lift: 1.8M
- Noise level: 20.0 dB(A) @ 4000RPM
- Expective life: 30,000, 40°C
- Connector: 2510-3P
- Operating temp.: -20°C ~60°C
- Storage temp.: -20°C ~70°C



Closed Loop - 2U

AK-SC-C022R02P01-2011



2U

650W
TDP

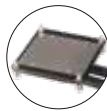
High-performance closed loop liquid cooler with 2U fin-stacked radiator and integrated pump. Option with four 8038mm fans. Available with dual cold plate design for dual Intel® Ivy Bridge Xeon processors up to 650W TDP.

- Socket support: Intel® LGA2011
- Cold plate dimension: 90 x 90 x 25.2mm
- Radiator dimension: 408 x 73 x 80mm
- Tube length: 450mm x3
- TDP: 650W

Pump spec

- Rated voltage: DC 12V
- Start voltage: $\geq 6V$
- Rated current: 0.3A (0.45A Max)
- Speed: 4000 $\pm$ 10% RPM
- Flow: 750 ml/min
- Lift: 1.8M

- Noise level: 20.0 dB(A) @ 4000RPM
- Expective life: 30,000, 40°C
- Connector: 2510-3P
- Operating temp.: -20°C ~60°C
- Storage temp.: -20°C ~70°C



Closed Loop - 4U

AK-SC-C021R03P01-SP5



4U

350W
TDP

High-performance closed loop liquid cooler with 4U fin-stacked radiator and integrated pump. Option with three 120mm fans. Available with a cold plate design for an AMD EYPC™ processor up to 350W TDP.

- Socket support: AMD SP5
- Cold plate dimension: 118 x 92.4 x 25.2mm
- Radiator dimension: 396 x 27 x 120mm
- Tube length: 450mm x2
- TDP: 350W

Pump spec

- Rated voltage: DC 12V
- Start voltage: $\geq 6V$
- Rated current: 0.3A (0.45A Max)
- Speed: 4000 $\pm$ 10% RPM
- Flow: 750 ml/min
- Lift: 1.8M

- Noise level: 20.0 dB(A) @ 4000RPM
- Expective life: 30,000, 40°C
- Connector: 2510-3P
- Operating temp.: -20°C ~60°C
- Storage temp.: -20°C ~70°C



Closed Loop - 4U

AK-SC-C022R04P01-4677



4U

750W
TDP

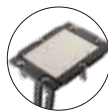
High-performance closed loop liquid cooler with 4U fin-stacked radiator and integrated pump. Option with three 120mm fans. Available with dual cold plates designed for two Intel® Xeon® 4th / 5th generation processors up to 750W TDP.

- Socket support: Intel® LGA4677
- Cold plate dimension: 118 x 78 x 25.1mm
- Radiator dimension: 396 x 27 x 120mm
- Tube length: 450mm x3
- TDP: 750W

Pump spec

- Rated voltage: DC 12V
- Start voltage: $\geq 6V$
- Rated current: 0.3A (0.45A Max)
- Speed: 4000 $\pm$ 10% RPM
- Flow: 750 ml/min
- Lift: 1.8M

- Noise level: 20.0 dB(A) @ 4000RPM
- Expective life: 30,000, 40°C
- Connector: 2510-3P
- Operating temp.: -20°C ~60°C
- Storage temp.: -20°C ~70°C



AK-SC-C022R04P01-SP5



4U

750W
TDP

High-performance closed loop liquid cooler with 4U fin-stacked radiator and integrated pump. Option with three 120mm fans. Available with dual cold plates designed for two AMD EYPC™ processors up to 750W TDP.

- Socket support: AMD SP5
- Cold plate dimension: 118 x 92.4 x 25.2mm
- Radiator dimension: 396 x 38 x 120.5mm
- Tube length: 450mm x3
- TDP: 750W

Pump spec

- Rated voltage: DC 12V
- Start voltage: $\geq 6V$
- Rated current: 0.3A (0.45A Max)
- Speed: 4000 $\pm$ 10% RPM
- Flow: 750 ml/min
- Lift: 1.8M
- Noise level: 20.0 dB(A) @ 4000RPM
- Expective life: 30,000, 40°C
- Connector: 2510-3P
- Operating temp.: -20°C ~60°C
- Storage temp.: -20°C ~70°C



AK-SC-C031R03P01-2011



4U

350W
TDP

High-performance closed loop liquid cooler with 4U fin-stacked radiator and integrated pump. Option with three 120mm fans. Available with a cold plate design for an Intel® Ivy Bridge Xeon® processor up to 350W TDP.

- Socket support: Intel® LGA2011
- Cold plate dimension: 58 x 58 x 24.2mm
- Radiator dimension: 396 x 27 x 120mm
- Tube length: 350mm x2
- TDP: 350W

Pump spec

- Rated voltage: DC 12V
- Start voltage: $\geq 6V$
- Rated current: 0.3A (0.45A Max)
- Speed: 4000 $\pm$ 10% RPM
- Flow: 750 ml/min
- Lift: 1.8M
- Noise level: 20.0 dB(A) @ 4000RPM
- Expective life: 30,000, 40°C
- Connector: 2510-3P
- Operating temp.: -20°C ~60°C
- Storage temp.: -20°C ~70°C





Washable Fan Filter

Keep out harmful dust

- Black fan filter
- Available in 6, 8, 9.2 & 12cm

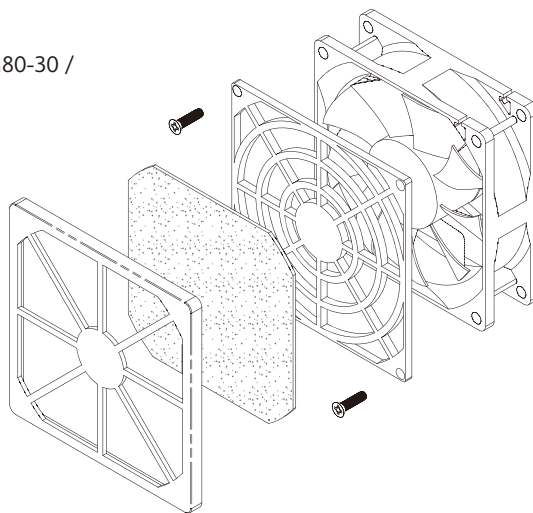
Product Code:
GRM40-30 / GRM60-30 / GRM80-30 /
GRM92-30 / GRM120-30



Fan Guard

- Black or chrome fan guard
- Available in 6, 8, 9.2 & 12cm

Product Code:
MG-06 / MG-08 / MG-09 / MG-12



Aluminium Fan Filter

- Keeps the dust out of your PC
- Available in 8, 9.2, 12 & 14cm

Product Code:
GRM80-AL01-BK / GRM120-AL01-BK / GRM140-AL01-BK



Strong Magnetic PC Fan Filters

- Ultra-fine mesh cover
- Magnetic frame design
- Easy to clean
- Pack of three
- Available for 140mm or 120mm fans

Product Code:
GRM14-M01-BKT3 (for 140mm fans)
GRM12-M01-BKT3 (for 120mm fans)

FAN OPTIONS

**Fan Bearing**

Akasa offer two types of bearings: two ball bearing and HD bearing.

bearing	life expectancy	order code
Two ball	80,000 hrs	B
HD / EBR / sleeve	40,000 hrs	S

* Life expectancy is tested at 25°C RH60% ±20%

Pulse Width Modulation

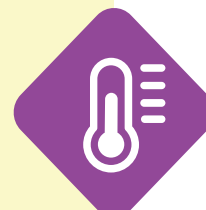
The speed of the fan can be selectively controlled via a PWM signal. This option is switched via its own wire at the fan.

**Tach Output (TACHO) / FG**

The fan electronics supply a signal that varies with speed, akin to a square wave signal, through an additional wire. This signal serves for general monitoring purposes or for monitoring the speed specifically.

Temperature Sensor Control

A speed control that depends on the ambient air temperature is possible.

**MTBF**

Mean Time Between Failure (MTBF) is the statistical DC fan lifespan, but relies on accurate operational data and customer feedback for application, making it advisable to use MTBF as a reference rather than a sole metric due to data consistency challenges.

Compliance

Akasa fans come with CE and UKCA compliance as standard. We can work with third party laboratories for additional compliance, such as VDE, TUL, UL and cUL.



Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
BlowersPWM Fan Cable &
Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling

Air Cooling
Liquid Cooling
Fan Filter & Fan Guard
DC Fan
DC Blower Fan
Micro Fans and Blowers
PWM Fan Cable & Fan Accessories
Thermal Interface
M.2 SSD Cooling
Industrial OEM / ODM Cooling

FAN OPTIONS

Ingress Protection (IP)

IP solutions provide protection against dust and water either in the form of a coating on the bearing or by fully encapsulating the electronics part of the fan.

The IP code consists of the letters "IP" followed by two digits (e.g., IP68). The first digit represents protection against solids, while the second digit indicates protection against liquids.

IP Ratings



SOLIDS

IP [XX]

WATER

First Digit	Protection against ingress of solids	Second Digit	Protection against ingress of water
0	No protection	0	No protection
1	Protection against solids with a diameter of >50mm	1	Protection against vertically dripping water
2	Protection against solids with a diameter of >12.5mm	2	Protection against vertically dripping water when tilted up to 15°
3	Protection against solids with a diameter of >2.5mm	3	Protection against spraying water up to an angle of 60°
4	Protection against solids with a diameter of >1mm	4	Protection against splashes of water from all directions
5	Protection against dust	5	Protection against low pressure
6	Dust tight protection	6	Protection against high pressure jetting water
		7	Protection against immersion in water between 150mm-1m deep for 30 minutes
		8	Protection against permanent immersion



Fan model number scheme explanation

DF **B** **4010** **12** **H**

B Bearing Type
B = Two ball S = HD / EBR / sleeve

4010 Fan Frame Size
e.g., 4010 = 40 × 40 × 10 mm

12 DC Voltage
e.g., 12 = DC 12V

H Fan Speed
H = high M = medium L = low

How to order

Add the bearing type code (B or S) after "DF" in the fan model number

2CM Series



25 x 25 x 10 mm

model no.		DF□ 2510 □H		DF□ 2510 □M		DF□ 2510 □L	
voltage	V	5	12	5	12	5	12
current	AMPS	0.14	0.065	0.11	0.05	0.075	0.04
power consumption	W	0.7	0.78	0.55	0.6	0.38	0.48
rated speed	RPM	10,000		8,500		7,000	
airflow	CFM	2.8		2.4		2	
air pressure	mm-H ₂ O	5.3		4.5		3.7	
sound	dB(A)	26		22.5		18	
weight	g	7.5		7.5		7.5	

4CM Series



40 x 40 x 10 mm

model no.		DF□ 4010 □H			DF□ 4010 □M			DF□ 4010 □L		
voltage	V	5	12	24	5	12	24	5	12	24
current	AMPS	0.17	0.075	0.07	0.13	0.065	0.06	0.09	0.045	0.05
power consumption	W	0.85	0.90	1.68	0.65	0.78	1.44	0.45	0.54	1.2
rated speed	RPM	6,500			5,500			4,500		
airflow	CFM	6.6			5.6			4.5		
air pressure	mm-H ₂ O	4.1			2.9			2.0		
sound	dB(A)	29			26.5			21.5		
weight	g	15			15			15		



40 x 40 x 20 mm

model no.		DF□ 4020 □H			DF□ 4020 □M			DF□ 4020 □L		
voltage	V	5	12	24	5	12	24	5	12	24
current	AMPS	0.53	0.14	0.07	0.35	0.10	0.05	0.25	0.07	0.04
power consumption	W	2.65	1.68	1.68	1.75	1.20	1.20	1.25	0.84	0.96
rated speed	RPM	7,600			6,300			5,000		
airflow	CFM	9.0			7.2			5.7		
air pressure	mm-H ₂ O	6.4			5.2			3.2		
sound	dB(A)	29.5			25.5			20.0		
weight	g	24			24			24		

5CM Series



50 x 50 x 10 mm

model no.		DF□5010□H		DF□5010□M		DF□5010□L	
voltage	V	5	12	5	12	5	12
current	AMPS	0.24	0.125	0.14	0.09	0.085	0.06
power consumption	W	1.20	1.50	0.70	1.08	0.43	0.72
rated speed	RPM	5,500		4,500		3,500	
airflow	CFM	13.5		10.9		8.30	
air pressure	mm-H2O	3.2		2.0		1.0	
sound	dB(A)	31.7		27.3		21.8	
weight	g	18		18		18	



50 x 50 x 15 mm

model no.		DF□5015□H			DF□5015□M			DF□5015□L		
voltage	V	5	12	24	5	12	24	5	12	24
current	AMPS	0.285	0.17	0.09	0.25	0.13	0.08	0.18	0.085	0.07
power consumption	W	1.425	2.04	2.16	1.25	1.56	1.92	0.9	1.02	1.68
rated speed	RPM	5,000			4,500			3,800		
airflow	CFM	15.5			13.1			12.0		
air pressure	mm-H2O	3.6			3.2			2.0		
sound	dB(A)	31.5			30.0			24.5		
weight	g	27			27			27		

6CM Series



60 x 60 x 10 mm

model no.		DF□601012H		DF□601012M		DF□601012L	
voltage	V	12		12		12	
current	AMPS	0.24		0.17		0.14	
power consumption	W	2.88		2.04		1.68	
rated speed	RPM	5,200		4,500		3,800	
airflow	CFM	23.3		21.0		17.3	
air pressure	mm-H2O	4.0		3.0		2.1	
sound	dB(A)	41.0		38.0		33.0	
weight	g	26		26		26	



60 x 60 x 15 mm

model no.		DF□6015□H			DF□6015□M			DF□6015□L		
voltage	V	5	12	24	5	12	24	5	12	24
current	AMPS	0.36	0.13	0.055	0.20	0.10	0.04	0.13	0.055	0.25
power consumption	W	1.80	1.56	1.32	1.0	1.20	0.96	0.65	0.66	0.6
rated speed	RPM	4,800			4,100			3,300		
airflow	CFM	20.9			18.0			14.1		
air pressure	mm-H2O	3.9			3.0			2.0		
sound	dB(A)	33.0			28.4			22.0		
weight	g	33.5			33.5			33.5		

6CM Series



60 x 60 x 20 mm

model no.		DF□6020□H		DF□6020□M		DF□6020□L	
voltage	V	12	24	12	24	12	24
current	AMPS	0.16	0.08	0.11	0.07	0.08	0.04
power consumption	W	1.92	1.92	1.32	1.68	0.96	0.96
rated speed	RPM	4,200		3,600		3,000	
airflow	CFM	22.9		20.0		17.0	
air pressure	mm-H ₂ O	4.4		3.4		2.4	
sound	dB(A)	35.0		30.0		26.0	
weight	g	44		44		44	

60 x 60 x 25 mm

model no.		DF□6025□H			DF□6025□M			DF□6025□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	0.12	0.075	0.055	0.08	0.055	0.04	0.05	0.035	0.03
power consumption	W	1.44	1.80	2.64	0.96	1.32	1.92	0.60	0.84	1.44
rated speed	RPM	5,100			4,100			3,000		
airflow	CFM	24.5			19.7			14.4		
air pressure	mm-H ₂ O	9.3			7.5			5.0		
sound	dB(A)	36.0			31.0			25.0		
weight	g	56			56			56		

60 x 60 x 38 mm

model no.		DF□6038□H			DF□6038□M			DF□6038□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	0.45	0.25	0.13	0.26	0.17	0.09	0.19	0.11	0.07
power consumption	W	5.40	6.00	6.24	3.12	4.08	4.32	2.28	2.64	3.36
rated speed	RPM	6,500			5,500			4,500		
airflow	CFM	38.5			32.6			26.7		
air pressure	mm-H ₂ O	16.5			12.2			8.1		
sound	dB(A)	51			47			41		
weight	g	115.6			115.6			115.6		

7CM Series



70 x 70 x 10 mm

model no.		DF□701012H	DF□701012M	DF□701012L
voltage	V	12	12	12
current	AMPS	0.24	0.17	0.13
power consumption	W	2.88	2.04	1.56
rated speed	RPM	4,800	4,300	3,700
airflow	CFM	31	27.8	23.9
air pressure	mm-H ₂ O	4.8	4.3	3.7
sound	dB(A)	37.0	34.5	31.0
weight	g	35	35	35

70 x 70 x 15 mm

model no.		DF□701512H	DF□701512M	DF□701512L
voltage	V	12	12	12
current	AMPS	0.28	0.19	0.155
power consumption	W	3.36	2.28	1.86
rated speed	RPM	4,800	4,300	3,800
airflow	CFM	35.3	31.6	27.9
air pressure	mm-H ₂ O	5.4	4.4	3.4
sound	dB(A)	41.5	39.0	34.0
weight	g	54	54	54

Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
BlowersPWM Fan Cable &
Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling

7CM Series



70 x 70 x 25 mm

model no.		DF□702512H		DF□702512M		DF□702512L	
voltage	V	12		12		12	
current	AMPS	0.30		0.17		0.09	
power consumption	W	3.60		2.04		1.08	
rated speed	RPM	5,000		4,000		3,000	
airflow	CFM	40.5		33.1		25.0	
air pressure	mm-H2O	7.2		5.0		3.0	
sound	dB(A)	41		34.5		29	
weight	g	82		82		82	

8CM Series



80 x 80 x 10 mm

model no.		DF□801012H		DF□801012M	
voltage	V	12		12	
current	AMPS	0.19		0.14	
power consumption	W	2.28		1.68	
rated speed	RPM	3,000		2,500	
airflow	CFM	26.53		19.68	
air pressure	mm-H2O	1.81		1.31	
sound	dB(A)	30.1		26.25	
weight	g	43		43	



80 x 80 x 15 mm

model no.		DF□801512H		DF□801512M		DF□801512L	
voltage	V	12		12		12	
current	AMPS	0.19		0.10		0.07	
power consumption	W	2.28		1.20		0.84	
rated speed	RPM	3,200		2,600		2,100	
airflow	CFM	35.8		29.1		23.5	
air pressure	mm-H2O	2.7		1.9		1.4	
sound	dB(A)	33.0		27.0		19.0	
weight	g	50.0		50.0		50.0	



80 x 80 x 20 mm

model no.		DF□8020□H		DF□8020□M		DF□8020□L	
voltage	V	12	24	12	24	12	24
current	AMPS	0.15	0.10	0.11	0.066	0.10	0.05
power consumption	W	1.8	2.4	1.32	1.58	1.20	1.20
rated speed	RPM	3,100		2,600		2,100	
airflow	CFM	36.9		31.0		23.3	
air pressure	mm-H2O	3.2		2.2		1.4	
sound	dB(A)	33.5		27.0		22.9	
weight	g	85		85		85	



80 x 80 x 25 mm

model no.		DF□8025□H			DF□8025□M			DF□8025□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	0.33	0.18	0.1	0.26	0.13	0.085	0.18	0.1	0.065
power consumption	W	3.96	4.32	4.8	3.12	3.12	4.08	2.16	2.4	3.12
rated speed	RPM	5,000			4,400			3,800		
airflow	CFM	62.3			55.7			47.4		
air pressure	mm-H2O	11.3			9.0			6.8		
sound	dB(A)	46.7			43.5			39.5		
weight	g	103.5			103.5			103.5		

8CM Series



80 x 80 x 38 mm

model no.		DF□8038□H			DF□8038□M			DF□8038□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	1.55	0.73	0.36	0.95	0.45	0.27	0.55	0.30	0.20
power consumption	W	18.60	17.52	17.28	11.40	10.80	12.96	6.60	7.20	9.60
rated speed	RPM	11,000			9,000			7,000		
airflow	CFM	87.1			70.9			55.2		
air pressure	mm-H2O	63.0			39.6			23.3		
sound	dB(A)	60.8			56.0			50.0		
weight	g	220			220			220		

9CM Series



92 x 92 x 25 mm

model no.		DF□9225□H			DF□9225□M			DF□9225□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	0.23	0.13	0.07	0.16	0.08	0.055	0.10	0.06	0.03
power consumption	W	2.76	3.12	3.36	1.92	1.92	2.61	1.20	1.44	1.44
rated speed	RPM	2,800			2,400			1,900		
airflow	CFM	63.7			50.8			40.2		
air pressure	mm-H2O	3.0			2.4			1.7		
sound	dB(A)	37.5			33.0			25.0		
weight	g	100			100			100		



92 x 92 x 38mm

model no.		DF□9238□H			DF□9238□M			DF□9238□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	1.10	0.54	0.28	0.60	0.32	0.18	0.27	0.18	0.08
power consumption	W	13.20	12.96	13.44	7.20	7.68	8.64	3.24	4.32	3.84
rated speed	RPM	8,000			6,000			4,000		
airflow	CFM	113.6			84.6			56.6		
air pressure	mm-H2O	48.9			29.1			13.2		
sound	dB(A)	57.5			51.5			39.5		
weight	g	233			233			233		

12CM Series



120 x 120 x 15 mm

model no.		DF□121512L
voltage	V	12
current	AMPS	0.16
power consumption	W	1.92
rated speed	RPM	2,000
airflow	CFM	41.59
air pressure	mm-H2O	1.41
sound	dB(A)	31.5
weight	g	127.5



120 x 120 x 25 mm

model no.		DF□1225□H			DF□1225□M			DF□1225□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	0.46	0.28	0.13	0.29	0.16	0.075	0.18	0.1	0.07
power consumption	W	5.52	6.72	6.24	3.48	3.84	3.6	2.16	2.4	3.36
rated speed	RPM	2,600			2,200			1,800		
airflow	CFM	106.1			87.8			73.0		
air pressure	mm-H2O	5.8			3.9			2.6		
sound	dB(A)	44.0			40.5			34.0		
weight	g	160			160			160		

12CM Series



120 x 120 x 25mm

model no.		DF□1225□H			DF□1225□M			DF□1225□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	0.55	0.32	0.18	0.22	0.13	0.085	0.13	0.085	0.06
power consumption	W	6.60	7.68	8.64	2.64	3.12	4.08	1.56	2.04	2.88
rated speed	RPM	4,400			2,800			2,000		
airflow	CFM	127.9			81.8			56.5		
air pressure	mm-H2O	14.1			6.0			3.1		
sound	dB(A)	51.4			39.1			29.3		
weight	g	205			205			205		



120 x 120 x 30mm

model no.		DF□123012L
voltage	V	12
current	AMPS	0.16
power consumption	W	1.92
rated speed	RPM	1,600
airflow	CFM	64.8
air pressure	mm-H2O	1.21
sound	dB(A)	27.5
weight	g	176



120 x 120 x 38mm

model no.		DF□1238□H			DF□1238□M			DF□1238□L		
voltage	V	12	24	48	12	24	48	12	24	48
current	AMPS	3.5	1.7	0.80	2.2	0.95	0.55	1.2	0.68	0.37
power consumption	W	42.0	40.80	38.40	26.40	22.8	26.40	14.40	16.32	17.76
rated speed	RPM	6,000			5,000			4,000		
airflow	CFM	236.4			194.0			155.8		
air pressure	mm-H2O	48.1			30.8			19.3		
sound	dB(A)	64.9			60.4			54.0		
weight	g	425			425			425		

Industrial Series

- IP68-rated dust-tight and waterproof rotor technology
- Three-phase motor - 4 poles, 6 slots
- 4-5% heat dissipation efficiency
- Patented anti-vibration structure



- S-flow blade design for high air flow optimisation



- Sickle flow blade design for static pressure optimisation



120 x 120 x 25 mm

blade design		S-Flow	Sickle Flow
voltage	V	12	12
current	AMPS	0.16	0.21A
power consumption	W	1.92	2.52
rated speed	RPM	0-2,000	0-2,000
airflow	CFM	97.02	95.68
air pressure	mm-H2O	3.59	3.84
sound	dB(A)	7.1-31.7	7.1-30.2
fan life expectancy	hours	80,000	80,000

Fan model number scheme explanation

B **12** **5015** **B** **H**

- 12** DC Voltage
e.g., 12 = DC 12V
- 5015** Fan Frame Size
e.g., 5015 = 50 x 50 x 15mm
- B** Bearing Type
B = Two Ball S = HD / EBR
- H** Fan Speed
H = high M = medium L = low



5CM Series



50 x 50 x 15mm

model no.		B□5015□H		B□5015□M		B□5015□L			
voltage	V	12	24	5	12	24	5	12	24
current	AMPS	0.23	0.12	0.35	0.16	0.085	0.17	0.095	0.06
power consumption	W	2.76	2.88	1.75	1.92	2.04	0.85	1.14	1.44
rated speed	RPM	6,500		5,500		4,500			
airflow	CFM	5.5		4.7		3.9			
air pressure	mm-H2O	20.9		16.2		12.0			
sound	dB(A)	45.5		42.0		37.5			
weight	g	28		28		28			

6CM Series



60 x 60 x 18 mm

model no.		B126018□H		B126018□M		B126018□L			
voltage	V	12		12		12			
current	AMPS	0.28		0.18		0.14			
power consumption	W	3.36		2.16		1.68			
rated speed	RPM	5,400		4,800		4,200			
airflow	CFM	8.2		7.7		6.7			
air pressure	mm-H2O	22.0		21.2		17.6			
sound	dB(A)	49.0		43.5		38.0			
weight	g	41		41		41			

7CM Series



77 x 75 x 15 mm

model no.		B127515□H	
voltage	V	12	
current	AMPS	0.8	
power consumption	W	9.6	
rated speed	RPM	5,500	
airflow	CFM	11.83	
air pressure	mm-H2O	20.66	
sound	dB(A)	45.99	
weight	g	55.6	

Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
Blowers

PWM Fan Cable &
Fan Accessories

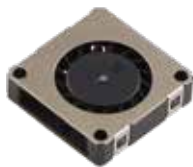
Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling

Micro Fans and Blowers - IP58

Micro Blowers



AK1804 Micro Blower

Dimensions	18x18x4mm				
Voltage	V	3.3	5	12	
Max Current	mA	35	50	35	
Speed	RPM	8000	11000	7000	
Air Flow	CFM	0.21	0.3	0.18	
Pressure	mm-H2O	2.17	4.66	1.66	
Noise	dB(A)	14.6	17.3	11.7	



AK2004 Micro Blower

Dimensions	20x20x4mm				
Voltage	V	3.3	5	12	
Max Current	mA	44	68	50	
Speed	RPM	10000	13000	13000	
Air Flow	CFM	0.32	0.45	0.45	
Pressure	mm-H2O	4.43	8.23	8.23	
Noise	dB(A)	17.5	21.5	21.5	



AK2008 Micro Blower

Dimensions	20x20x8.5mm				
Voltage	V	3.3	5	12	12
Max Current	mA	100	145	40	55
Speed	RPM	10000	14000	8000	12000
Air Flow	CFM	0.53	0.83	0.46	0.7
Pressure	mm-H2O	2.5	5.5	1.6	4.0
Noise	dB(A)	21.8	31.1	16	26



AK2008 Micro Blower

Dimensions	20x25.7x8.5mm			
Voltage	V	3.3	5	
Max Current	mA	55	75	
Speed	RPM	6000	8000	
Air Flow	CFM	0.37	0.48	
Pressure	mm-H2O	1.93	3.29	
Noise	dB(A)	14.4	18.2	



AK2512 Micro Blower

Dimensions	25x25x12mm			
Voltage	V	3.3	5	
Max Current	mA	70	105	
Speed	RPM	7000	9500	
Air Flow	CFM	1	1.35	
Pressure	mm-H2O	3.85	7.49	
Noise	dB(A)	18.6	27	

Slim Blowers



AK3004 Slim Blower

Dimensions	30x30x4.5mm				
Voltage	V	3.3	5	12	
Max Current	mA	50	70	40	
Speed	RPM	6000	8500	8500	
Air Flow	CFM	0.57	0.79	0.79	
Pressure	mm-H2O	3.71	7.48	7.48	
Noise	dB(A)	17.2	25.7	25.7	



AK4505 Slim Blower

Dimensions	45x46x5mm				
Voltage	V	3.3	5	12	
Max Current	mA	135	185	155	
Speed	RPM	4500	6000	5500	
Air Flow	CFM	1.15	1.51	1.38	
Pressure	mm-H2O	5.19	9.08	7.63	
Noise	dB(A)	21.3	28.1	26.2	

Micro Fans



AK1305 Micro Fan

Dimensions	13x13x5mm			
Voltage	V	3.3		
Max Current	mA	46		
Speed	RPM	16000		
Air Flow	CFM	0.16		
Pressure	mm-H2O	1.98		
Noise	dB(A)	15.7		



AK1504 Micro Fan

Dimensions	15x15x4mm				
Voltage	V	2.4	3.3	5	12
Max Current	mA	15	25	36	55
Speed	RPM	7500	11000	16000	16000
Air Flow	CFM	0.12	0.18	0.28	0.28
Pressure	mm-H2O	0.69	1.39	2.96	2.96
Noise	dB(A)	14.6	18	23.7	23.7



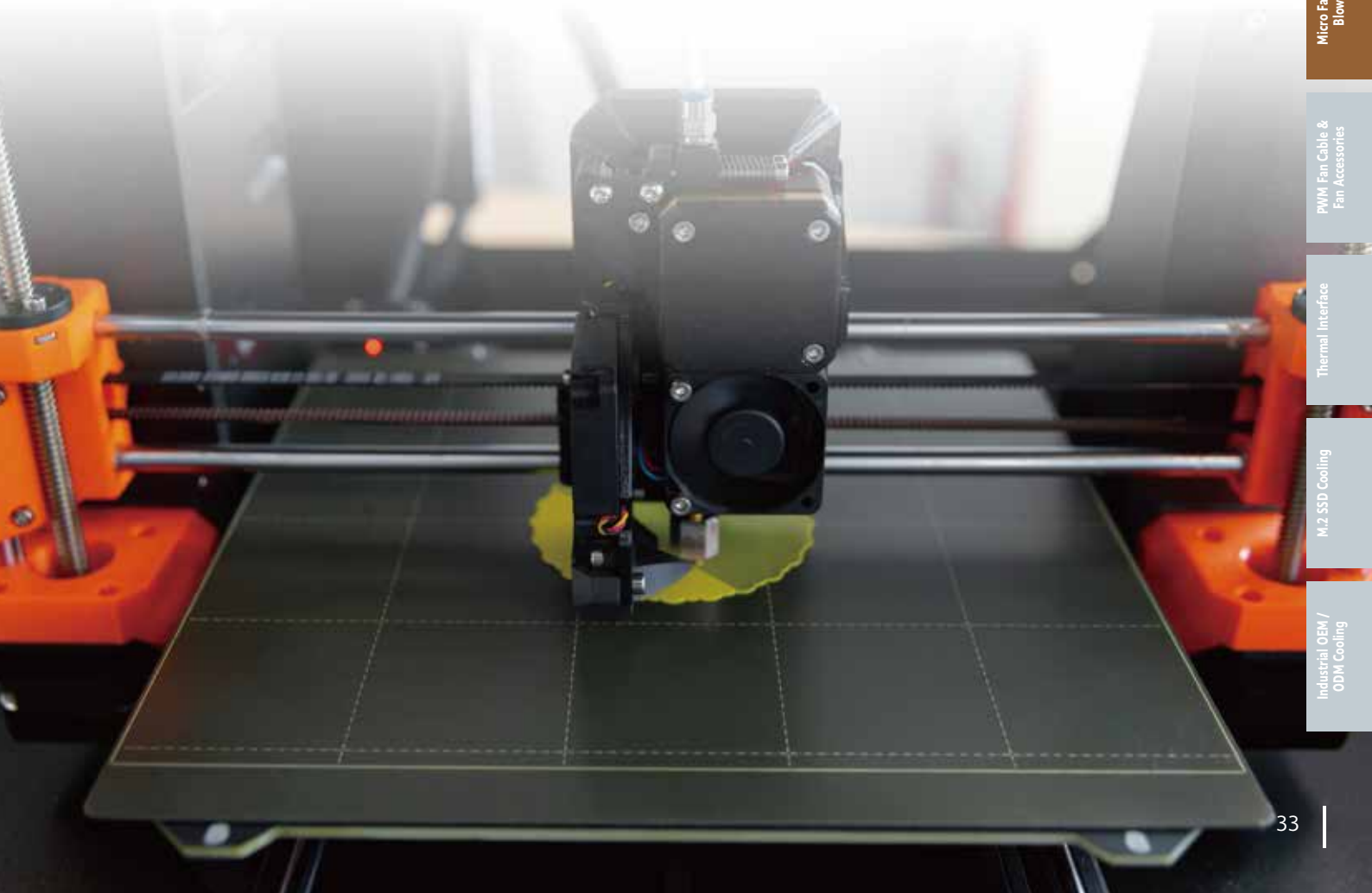
AK1708 Micro Fan

Dimensions	17x17x8mm				
Voltage	V	3.3	5	12	
Max Current	mA	60	85	50	
Speed	RPM	11000	16000	16000	
Air Flow	CFM	0.62	1.02	1.02	
Pressure	mm-H2O	1.90	4.74	4.74	
Noise	dB(A)	16.5	26.8	26.8	



AK1804 Micro Fan

Dimensions	18x18x4mm			
Voltage	V	3.3	5	12
Max Current	mA	35	48	50
Speed	RPM	7500	13000	13000
Air Flow	CFM	0.33	0.58	0.58
Pressure	mm-H2O	1.27	3.34	3.34
Noise	dB(A)	15.9	24.9	24.9



Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
Blowers

PWM Fan Cable &
Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling



5V to 12V DC Step-Up Voltage Converter Cable for USB to 3-Pin & 4-Pin PC Fan

- Efficient voltage conversion
- Universal fan compatibility
- 12V voltage step-up circuit design

Product Code: AK-CBFA10-60BK

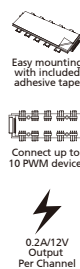


FLEXA FP10H

1-To-10 PWM Hub

- Connect up to 10 PWM devices
- Reduced cable clutter
- Easy mounting
- Powered directly from the power supply

Product Code: AK-CBFA09-50



PWM Fan Extension Cable

- Wide compatibility
- 30cm extension
- Stylish protective black sleeve
- Available in 1 or 4 pack

Product Code: AK-CBFA01-30 / AK-CBFA01-KT04



FLEXA FP5H

5 Fan PWM Splitter Hub Cable

- Greater connectivity
- Black sleeve braided cable
- User-friendly design
- Compact design

Product Code: AK-CBFA08-30BK / AK-CBFA08-KT02



PWM Fan Splitter

- Supports 2 PWM fans from a single motherboard PWM header
- Black braided cable
- Length: 15cm

Product Code: AK-CBFA04-15

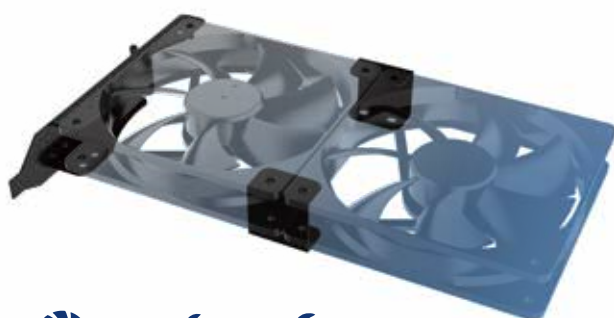


FLEXA FP5S

5 PWM Fan Splitter Cable with SATA Power Connector

- 5 PWM fan splitter cable with SATA power connector
- Supports 5 PWM fans from a single motherboard PWM header
- Black braided cable

Product Code: AK-CBFA07-45



PCI Slot Bracket for Mounting One/Two Fans

- Enables easy mounting of one or two cooling fans next to the PCI slot of your graphics card
- Fan depth support: 25mm
- Two versions available:

For 80 or 92mm fans
(Product Code: AK-MX304-08BK)

For 120mm fans
(Product Code: AK-MX304-12BK)

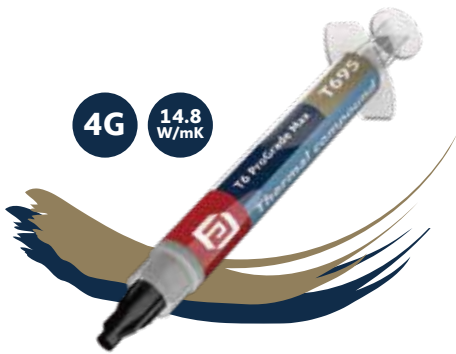
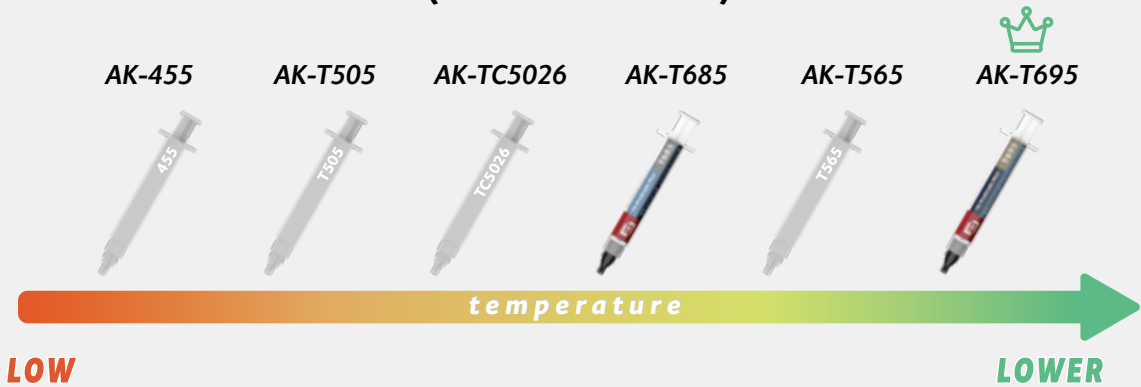


Rubber Case Fan Mounts

- Eliminates vibration and resonance given off by fans by isolating them from the case
- Quick and tool-free installation
- Anti-ageing material
- Available in 20 and 60 packs in white or black colours

Product Code: AK-MX003 / AK-MX003-BKT60 / AK-MX003-WKT20

Performance Comparison Under 100% Load
(Lower is Better)

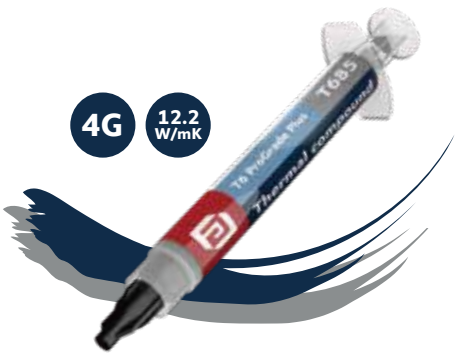


T6 ProGrade Max

Thermal Compound ProGrade Max T6

- Ultra performance thermal conductivity of 14.8 W/mK
- Non-electrical conductivity for safety
- Non-curing

Product Code: AK-T695-4G



T6 ProGrade Plus

Thermal Compound ProGrade Max T6

- Premium performing thermal conductivity of 12.2 W/mK
- Non-electrical conductivity for safety
- Non-curing

Product Code: AK-T685-4G



Custom volume and packaging options available

Our thermal compounds are available in custom sizes for OEM / ODM solutions



Thermal Interface

Hi-performance thermal interface materials (TIM) and compounds

Air Cooling

Liquid Cooling

Fan Filter &
Fan Guard

DC Fan

DC Blower Fan

Micro Fans and
Blowers

PWM Fan Cable &
Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM /
ODM Cooling



AK-450

- Silver based thermal compound
- 5g syringe
- Thermal conductivity: 9.24 W/mK

Product Code: AK-450



AK-455

- For high performance CPUs
- 5g syringe
- Thermal conductivity: 2.4 W/mK

Product Code: AK-455



AK-460

- Outstanding thermal performance
- Electrically non-conductive
- 3.5g syringe
- Thermal conductivity: 3.3 W/mK

Product Code: AK-460



AK-TC5022

- Ultimate thermal performance
- Non-pressure dependent
- 3.5g syringe
- Thermal conductivity: 4.0 W/mK

Product Code: AK-TC5022



AK-TC5026

- Excellent thermal performance
- Electrically non-conductive
- 3.0g syringe
- Thermal conductivity: 2.9 W/mK

Product Code: AK-TC5026



T5 Essential

- For high performance CPUs
- Conveniently included wipes and spreader
- Thermal conductivity: 4.0 W/mK

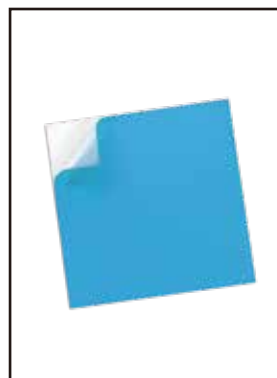
Product Code: AK-T505-5G



T5 Pro-Grade Plus

- For ultra-performance CPUs or GPUs
- Conveniently included wipes and spreader
- Thermal conductivity: 5.2 W/mK

Product Code: AK-T565-5G



Thermal Tape

- Bonds heatsink to chipset
- Double-sided 80 x 80mm
- High thermal conductivity
- Micro-fibreglass reinforced
- Thermal conductivity: 0.85 W/mK

Product Code: AK-TT13-80

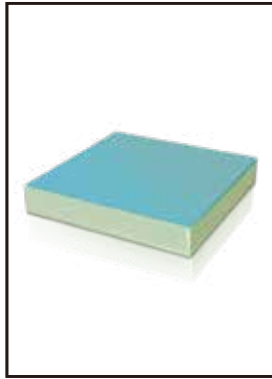
Hi-performance thermal interface materials (TIM) and compounds



Thermal Gap Filler

- Suitable for uneven surfaces
- Cut to size and stackable
- 30 x 30 x 1.5mm
- 2 pieces per pack
- Conductivity: 1.2 W/mK

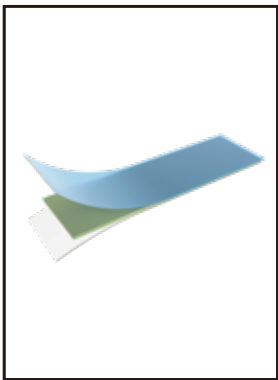
Product Code: AK-TT300-01



Thermal Gap Filler

- Suitable for uneven surfaces
- Cut to size and stackable
- 30 x 30 x 5mm
- 2 pieces per pack
- Conductivity: 1.2 W/mK

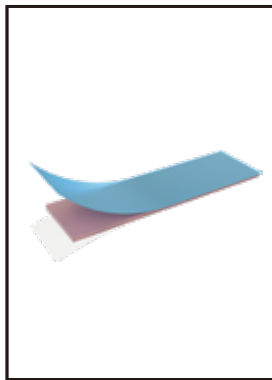
Product Code: AK-TT300-02



M.2 SSD Thermal Pad

- Reliable and durable
- Convenient ease of use
- Perfect fit for M.2 2280 SSD
- Wide usage
- 70 x 20 x 1mm
- Conductivity: 1.2 W/mK

Product Code: AK-TT140-01



M.2 SSD Thermal Pad Plus Pack

- Hi-performance thermal pads
- Easily installed
- Perfect fit for common M.2 SSD (2280)
- Durable & reliable connection
- 70 x 20 x 1.5mm
- Conductivity: 6 W/mK
- Comes in a pack of 3

Product Code: AK-TT600-KT03



TIM Wipes

- CPU and heatsink cleaner
- Removes thermal pads and silver based thermal grease
- Citrus-based solvent

Product Code: AK-TCW-02



TIM Wipe Kit

Thermal compound with a spreader and CPU/chipset cleaner

- AK-455 compound suitable for high wattage CPUs
- Citrus-based TIM wipes leave no residue
- Spatula makes applying thermal compound easy
- Designed for all types of CPUs, GPUs and chipsets

Product Code: AK-TCW-03



Gecko Pro LX

Active low profile M.2 PCIe cooler for smaller desktop cases

- Unique side blower
- Enhanced cooling efficiency
- Ultra compact SSD cooler
- Aluminium heatsink

Product Code: A-M2HS04-BK

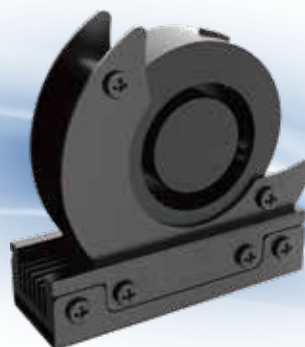


For
M.2 2280 SSD

Fan
20x8.55mm

Aluminum
Heatsink

Dual
Thermal Pad



Gecko Turbo Cooler

Superior cooling for M.2 NVMe PCIe & SATA drives in desktop computers

- Active cooler for M.2 PCIe NVMe SSDs
- Aluminium heatsink for fast heat absorption
- Turbo blower fan to move max air
- Sleek black aesthetics

Product Code: A-M2HS03-BK



For
M.2 2280 SSD

Heat
dissipation

Easy
installation



M.2 SSD Heatsink

Passive cooling for M.2 NVMe PCIe & SATA drives

- Easy installation
- Designed for M.2 2280 SSD
- Self-adhesive thermal tape
- Fully aluminium

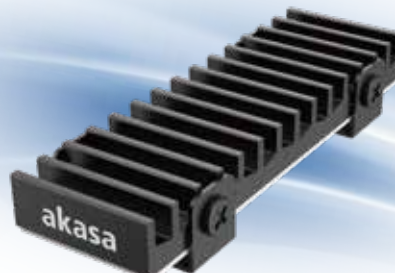
Product Code: A-M2HS01-BK



For
M.2 2280 SSD

Heat
dissipation

Easy
installation



Gecko Pro

Passive cooling for M.2 NVMe PCIe & SATA drives

- Smart fin design
- Superior mounting
- Suitable for any M.2 SSD thickness
- Outstanding thermal pad

Product Code: A-M2HS02-BK



For
M.2 2280 SSD

Heat
dissipation

Easy
installation

Heat Sinks



General Purpose Custom Heat Sinks

Features

- Highly optimised cooling from high density copper fins offered by skived fin manufacturing
- Optimised and value cooling offered by extruded heat sink profiles
- OEM/ODM service available for specific application and requirements

Specification

- Dimensions : Customisable
- Material : Aluminium, Copper
- Profile : Square, Round, Rectangular, Customisable
- Manufacturing : Skived Fin, Extrusion Heat Sink

LED Custom Heat Sinks

Features

- Round pins minimise resistance to incoming air streams
- Omni-directional pins as incoming air streams can enter from all directions
- Standard and OEM/ODM tooling available for specific application and requirements

Specification

- Dimensions : Customisable
- Material : Aluminium
- Profile : Square, Round, Rectangular
- Manufacturing : Cold forging

Heat Spreaders

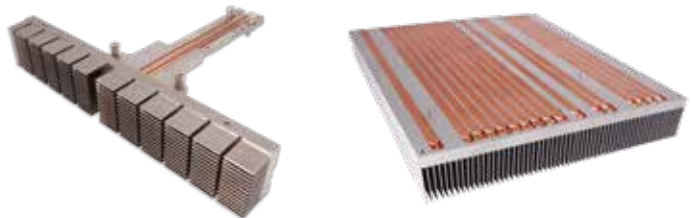
High-Powered Custom Heat Spreaders

Features

- Embedded copper heat pipes into the heat sink for uniform heat spreading
- Standard and OEM/ODM service available for specific applications and requirements

Specification

- Dimensions : Customisable
- Material : Aluminium, Copper
- Manufacturing : CNC-Machined Heat Sink, Skived Fin, Welding



Closed-loop Coolers



Ultra-High Performance Cooler

Features

- Aluminium closed-loop thermosyphon heat sink with refrigerant liquid offering ultra high performance capability
- Smart PWM fan ensures the exchange of air between the cooling fins
- Standard and OEM/ODM service available for specific applications and requirements

Specification

- Dimensions: Customisable
- Material: Aluminium, Nickel
- Manufacturing Technology: Brazing, Vacuum, Charging

Air Cooling

Liquid Cooling

Fan Filter & Fan Guard

DC Fan

DC Blower Fan

Micro Fans and Blowers

PWM Fan Cable & Fan Accessories

Thermal Interface

M.2 SSD Cooling

Industrial OEM / ODM Cooling

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OEM/ODM



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Brochure



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Intel® approved cooler manufacturer
ASUS® NUC Ecosystem Partner
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