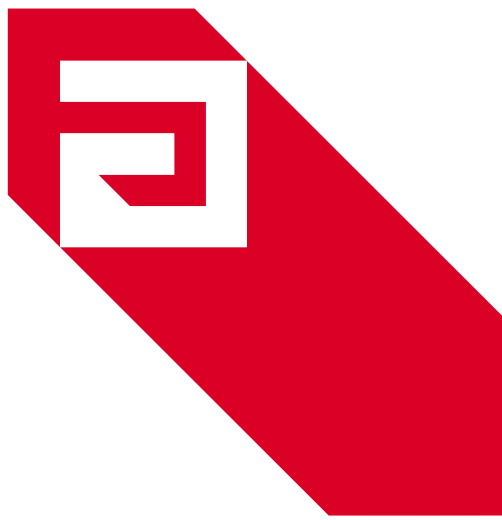




# Thermal Management

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 SSF compact case
- **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 for up to 35W thermal design
- **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 & 65W TDP
- **2020** Holland office established (for European Union customers)
- **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



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.

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# Cooler and Heatsink Finder

| Alcoa 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® LGA1189 | LGA3647 (Narrow ILM) | AMD SP5 | AMD AM5 | AMD AM4 | AMD AM3+ / AM3 | AMD AM2+ / AM2 | AMD FM2+ / FM2 | AMD FM1 | AMD socket 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-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-CC7406BP01         | 8           |                         |             | •         |           |           |           | •              | •              | •              | •              |                |                |               |                |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC7407BP01         | 8           |                         |             | •         |           |           |           | •              | •              |                |                |                |                |               |                |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CCE-7106HP         | 9           | •                       | •           |           |           |           |           |                |                | •              | •              |                | •              |               |                |                |                |                      |         |         |         |                |                |                |         | PP                         |            |           |
| AK-CC7124EP01         | 9           | •                       | •           |           |           |           |           |                |                | •              | •              |                | •              |               |                |                |                |                      |         |         |         |                |                |                |         | PP                         |            |           |
| AK-CC7111             | 9           |                         |             | •         |           |           |           |                |                | •              | •              |                | •              |               |                |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC6313             | 9           |                         |             | •         |           |           |           |                |                | •              | •              |                |                |               |                |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC9501BP01         | 10          |                         |             | •         |           |           |           |                |                |                |                |                |                |               | •              |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC9502BP01         | 10          |                         |             |           |           |           | •         |                |                |                |                |                |                |               | •              |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC9505BP01         | 10          |                         |             |           |           |           | •         |                |                |                |                |                |                |               | •              |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC9503BP01         | 10          |                         |             | •         |           |           |           |                |                |                |                |                |                |               | •              |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC9504BP01         | 10          |                         |             |           |           |           | •         |                |                |                |                |                |                |               | •              |                |                |                      |         |         |         |                |                |                |         | S                          | •          |           |
| AK-CC9401BP01         | 11          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                | •              |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9402             | 11          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                | •              |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9403             | 12          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                | •              |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9404BP01         | 12          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                | •              |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9405BP01         | 12          |                         |             |           |           | •         |           |                |                |                |                |                |                |               |                | •              |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9301             | 12          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                |                | •              |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9302             | 13          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                |                | •              |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9303             | 13          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                |                | •              |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9304             | 13          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                |                | •              |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9305             | 13          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                |                | •              |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9306BP01         | 14          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                |                | •              |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9307BP01         | 14          |                         |             |           |           | •         |           |                |                |                |                |                |                |               |                |                | •              |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9201             | 14          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9202             | 14          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9203             | 15          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9204             | 15          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9205BP01         | 15          |                         |             |           | •         |           |           |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC9206BP01         | 15          |                         |             |           |           | •         |           |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-CC1110EP01         | 16          | •                       |             |           |           |           |           |                |                |                |                |                |                |               |                |                |                |                      | •       | •       | •       | •              | •              | •              |         | C                          |            |           |
| AK-CC1108HP01         | 16          | •                       |             |           |           |           |           |                |                |                |                |                |                |               |                |                |                |                      | •       | •       | •       | •              | •              | •              |         | S                          |            |           |
| AK-CC1107EP01         | 16          | •                       |             |           |           |           |           |                |                |                |                |                |                |               |                |                |                |                      | •       | •       | •       | •              | •              | •              |         | C                          |            |           |
| AK-CC1105ES01         | 16          | •                       |             |           |           |           |           |                |                |                |                |                |                |               |                |                |                |                      |         |         |         |                |                | •              |         | C                          |            |           |
| AK-CC1101EP02         | 17          |                         | •           |           |           |           |           |                |                |                |                |                |                |               |                |                |                |                      | •       | •       | •       | •              | •              | •              |         | C                          |            |           |
| AK-CC1109BP01         | 17          |                         | •           | •         |           |           |           |                |                |                |                |                |                |               |                |                |                |                      | •       | •       |         |                |                |                |         | S                          |            |           |
| AK-392BP01            | 17          |                         | •           |           | •         |           |           |                |                |                |                |                |                |               |                |                |                |                      |         |         | •       | •              |                |                |         | S                          |            |           |
| AK-392                | 17          |                         | •           |           | •         |           |           |                |                |                |                |                |                |               |                |                |                |                      |         |         | •       | •              |                |                |         | S                          |            |           |
| AK-SC-C012-4677       | 18          |                         |             | •         |           |           |           |                |                |                |                |                |                |               | •              |                |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-SC-C022R01P01-3647 | 18          |                         |             | •         |           |           |           |                |                |                |                |                |                |               |                |                | •              | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-SC-C022R02P01-2011 | 19          |                         |             |           | •         |           |           |                |                |                |                |                |                | •             |                |                |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-SC-C021R03P01-SP5  | 19          |                         |             |           |           |           | •         |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-SC-C022R04P01-4677 | 19          |                         |             |           |           |           | •         |                |                |                |                |                |                |               | •              |                |                |                      |         |         |         |                |                |                |         | S                          |            |           |
| AK-SC-C022R04P01-SP5  | 19          |                         |             |           |           |           | •         |                |                |                |                |                |                |               |                |                |                | •                    |         |         |         |                |                |                |         | S                          |            |           |
| AK-SC-C031R03P01-2011 | 19          |                         |             |           |           |           | •         |                |                |                |                |                |                | •             |                |                |                |                      |         |         |         |                |                |                |         | S                          |            |           |

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

Intel LGA4677 includes an E1B carrier.

## Desktop ATX Solutions

## Intel® LGA 1851 / 1700

## AK-CC6606BP01

PWM  
fanomni-  
coolingcopper  
core125W  
TDP

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: 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  
fanomni-  
coolingcopper  
core115W  
TDP

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: 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  
fanomni-  
cooling77W  
TDP

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: 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  
fanomni-  
cooling80W  
TDP

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: 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  
fanomni-  
coolingcopper  
core125W  
TDP

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: 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-H<sub>2</sub>O
- Max sound: 36 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)



## Intel® LGA 1200 / 115X / 775

## AK-CCE-7102EP

PWM  
fanomni-  
cooling73W  
TDP

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: 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-H<sub>2</sub>O
- Max sound: 31 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



## AK-CCE-7104EP

PWM  
fanomni-  
cooling95W  
TDP

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: 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-H<sub>2</sub>O
- Max sound: 30.54 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin (PWM)



Intel® LGA 1200 / 115X / 775

AK-CCE-7105EP



|         |              |         |
|---------|--------------|---------|
| PWM fan | omni-cooling | 95W TDP |
|---------|--------------|---------|

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: 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 |
|---------|--------------|---------|

Enter bearing 9cm fan and reliable dual socket push-pins mounting.

- CPU: Intel® Core™ i7, i5, i3
- Socket: 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
- for AK-CC7108EP01
  - Speed: 600 - 3000RPM (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 |
|---------|--------------|-------------|----------|

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: 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  
fanomni-  
coolinglow  
profile35W  
TDP

Ultra low profile 21.8mm heatsink with embedded fan provides lo-noise compact cooling solution in thin mini-ITX and SFF chassis

- CPU: Intel® Core™ T-Series
- Socket: 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  
fanomni-  
coolinglow  
profile35W  
TDP

26.9mm heatsink with embedded fan provides lo-noise compact cooling solution in mini-ITX and micro-ATX chassis.

- CPU: Intel® Core™ T-Series
- Socket: 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  
fanomni-  
coolinglow  
profile73W  
TDP

29.92mm heatsink with embedded fan provides lo-noise compact cooling solution in mini-ITX and Micro-ATX chassis.

- CPU: Intel® Core™ i5 & i3
- Socket: 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  
fanomni-  
coolinglow  
profile65W  
TDP

Low profile CPU cooler with copper base and embedded 75mm PWM fan.

- CPU: Intel® Core™ i5, i3
- Socket: 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)



Intel® LGA 1851 / 1700

AK-CC6616HP01



|         |              |             |         |
|---------|--------------|-------------|---------|
| PWM fan | omni-cooling | low profile | 73W TDP |
|---------|--------------|-------------|---------|

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

- CPU: Intel® Core™ i5 & i3
- Socket: 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 |
|---------|--------------|-------------|---------|

Low profile CPU cooler with embedded 75mm PWM fan featuring reliable EBR bearing.

- CPU: Intel® Core™ T-Series
- Socket: 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 |
|---------|--------------|-------------|---------|

Low profile CPU cooler with embedded 75mm PWM fan up to 3600RPM.

- CPU: Intel® Core™ T-Series
- Socket: 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 |
|---------|--------------|-------------|---------|

Low profile CPU cooler with copper base and embedded 75mm PWM fan up to 3600RPM.

- CPU: Intel® Core™ i5, i3
- Socket: 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: 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. Perfect for Mini-ITX and HTPC cases. 95mm intelligent PWM fan delivers outstanding focused airflow.

- CPU: Intel® Core™ i7, i5, i3
- Socket: 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 low noise ultra compact cooling solution for Intel LGA1200 & LGA115X processors in mini-ITX and SFF chassis.

- CPU: Intel® Core™ i5, i3
- Socket: 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 low noise ultra compact cooling solution for Intel LGA1200 & LGA115X processors in mini-ITX and SFF chassis.

- CPU: Intel® Core™ i5, i3
- Socket: 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: 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)



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

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

AK-CC7402BT01



|              |              |            |          |
|--------------|--------------|------------|----------|
| auto thermal | omni-cooling | all copper | 130W 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: 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 copper | 30.5mm Height | 95W 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: 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

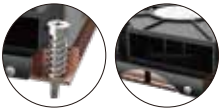
AK-CC7406BP01



|         |    |            |               |         |
|---------|----|------------|---------------|---------|
| PWM fan | 1U | all copper | 28.3mm Height | 95W 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: 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)



AK-CC7407BP01



|         |    |            |               |         |
|---------|----|------------|---------------|---------|
| PWM fan | 1U | all copper | Split bracket | 95W 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)



## 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 low noise ultra compact cooling solution for Intel LGA775, LGA115X processors in mini-ITX and SFF chassis.

- CPU: Intel® Core™ i7, i5 & i3
- Socket: 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

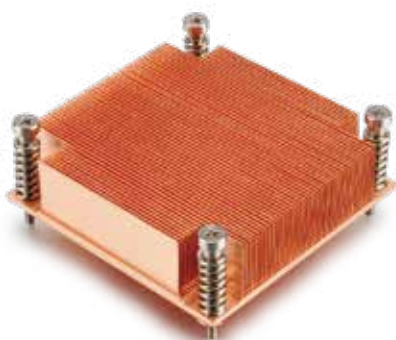
23.5mm heatsink provides low noise ultra compact cooling solution for Intel LGA775, LGA115X processors in mini-ITX and SFF chassis.

- CPU: Intel® Core™ i5, i3
- Socket: 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

## AK-CC7111

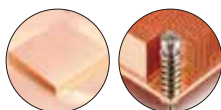
all  
copper

1U

95W  
TDP

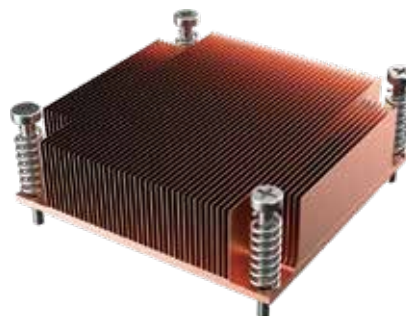
High performance low profile passive copper cooler for Intel® LGA1200 / 115X. Suitable for 1U server chassis and small form factor enclosures.

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



## Intel® LGA 1200 / 115X

## AK-CC6313

all  
copper

1U

95W  
TDP

Pure copper skived finned high performance low profile passive copper cooler for Intel® LGA1200 / 115X. Suitable for 1U server chassis and small form factor enclosures.

- CPU: Intel® Core™ i7, i5, i3 and Xeon®
- Socket: 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 system**

- Socket: Intel LGA4677
- Heatsink: aluminium fins with copper base and 5 copper heatpipes
- 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: 3000-11000RPM
- 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 system**

- Socket: Intel LGA4677
- Heatsink: aluminium fins with copper base and 5 copper heatpipes
- 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: 2600-8000RPM
- 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 system**

- Socket: Intel LGA4677
- Heatsink: aluminium fins with copper base and 6 copper heatpipes
- 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: 1000-2200RPM
- 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-CC9504BP01



4U

6HP

400W  
TDPReserve  
blade fan**6 Heat-pipes with fine-fins active cooler for 4U system**

- Socket: Intel LGA4677
- Heatsink: aluminium fins with copper base and 6 copper heatpipes
- Mounting: mounting screws (cooler include E1B carrier)
- Interface: pre-applied
- Cooler dimension: 130 x 103 x 154mm
- Fan: two ball bearing, DC12V
- Fan dimension: 120 x 120 x 28.5mm (2 fans)
- Obverse fan:**
  - Speed: 1000-2200RPM
  - Max airflow: 72.68 CFM
  - Max air pressure: 3.18 mm-H2O
  - Max sound: 36 dB(A)
- Connector: 4-pin (PWM)

## AK-CC9505BP01



4U

6HP

320W  
TDP**6 Heat-pipes with fine-fins active cooler for 4U system**

- Socket: Intel LGA4677
- Heatsink: aluminium fins with copper base and 6 copper heatpipes
- 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: 1900-3800RPM
- 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)

**Reverse fan:**

- Speed: 1000-2000RPM
- Max airflow: 66.67 CFM
- Max air pressure: 2.46 mm-H2O
- Max sound: 38 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

## Intel® LGA 4189

## AK-CC9401BP01



|    |                  |               |             |
|----|------------------|---------------|-------------|
| 1U | vapor<br>chamber | copper<br>fin | 205W<br>TDP |
|----|------------------|---------------|-------------|

**1U active cooler with copper fins and vapor chamber base for Intel LGA4189 socket**

- Socket: Intel LGA4189
- Heatsink: copper fins with vapor 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: 1500-6600RPM
- Max airflow: 21 CFM
- Max air pressure: 55.2 mm-H<sub>2</sub>O
- Max sound: 62 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin (PWM)

## AK-CC9402



|    |                |             |
|----|----------------|-------------|
| 1U | copper<br>base | 205W<br>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

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

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 5 copper heatpipes
- 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 5 copper heatpipes
- 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: 2600-8000RPM
- 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 base | 320W TDP |
|----|-----|-------------|----------|

3U active cooler with 6-heatpipes for Intel LGA4189 socket

- Socket: Intel LGA4189
- Heatsink: Aluminium fins with copper base and 6 copper heatpipes
- 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: 1900-3800RPM
- 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 copper | narrow ILM | 165W 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

## Intel® LGA 3647 (Narrow ILM)

## AK-CC9304



2U

narrow  
ILM140W  
TDP

## Aluminium passive cooler for 2U system

- 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 system

- Socket: Intel LGA3647 (Narrow ILM)
- Heatsink: aluminium fins with copper base and 4 copper heatpipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 108 x 78 x 64mm

Intel® LGA 3647 (Narrow ILM)

AK-CC9306BP01



|    |     |            |          |
|----|-----|------------|----------|
| 2U | 4HP | narrow ILM | 205W TDP |
|----|-----|------------|----------|

4 Heat-pipes with fine-fins active cooler for 2U system

- Socket: Intel LGA3647 (Narrow ILM)
- Heatsink: Aluminium fins and base with copper heatpipes
- 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: 2600-8000RPM
- 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



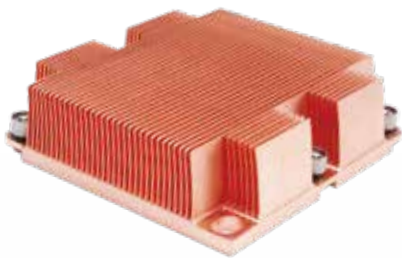
|    |     |             |            |          |
|----|-----|-------------|------------|----------|
| 3U | 5HP | copper base | narrow ILM | 205W TDP |
|----|-----|-------------|------------|----------|

5 Heat-pipes with fine-fins active cooler for 3U system

- Socket: Intel LGA3647 (Narrow ILM)
- Heatsink: Aluminium fins with 4 copper heatpipes
- 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: 0-4000RPM
- 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 (Square ILM)

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

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

Intel® LGA 3647 (Square ILM)

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

AK-CC9204



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

4 Heat-pipes with fine-fins passive cooler for 2U system

- Socket: Intel LGA3647 (Square ILM)
- Heatsink: aluminium fins with copper base and 4 copper heatpipes
- Mounting: mounting screws
- Interface: pre-applied
- Cooler dimension: 91 x 88 x 64.2mm

Intel® LGA 3647 (Square ILM)

AK-CC9205BP01



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

4 Heat-pipes with fine-fins active cooler for 2U system

- Socket: Intel LGA3647 (Square ILM)
- Heatsink: Aluminium fins with copper base and 4 copper heatpipes
- 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: 1600-6800RPM
- 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)

AK-CC9206BP01



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

5 Heat-pipes with fine-fins active cooler for 3U system

- Socket: Intel LGA3647 (Square ILM)
- Heatsink: Aluminium fins with copper base and 5 copper heatpipes
- 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: 0-4000RPM
- 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)

## Desktop ATX Solutions

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

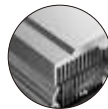
### AK-CC1110EP01



**65W  
TDP**

**Extra compact cooler with PWM fan**

- 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



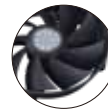
### AK-CC1108HP01



**95W  
TDP**

**Performance Sunflower AMD Cooler with 120mm Fan**

- 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

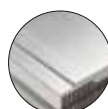
### AK-CC1107EP01



**95W  
TDP**

**Low noise, efficient cooling for AMD processors.  
Only 55.5mm of height means it can be installed in even very 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**

- 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

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

## AK-CC1101EP02

PWM  
fanlow  
profile35W  
TDP

Compact aluminium cooler with PWM fan for mini-ITX system 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-H<sub>2</sub>O
- Max sound: 27.09 dB(A)
- Fan life expectancy: 40,000 hrs
- Connector: 4-pin PWM



AMD AM5 / AM4

## AK-CC1109BP01



1U

all  
copperPWM  
fan75W  
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-H<sub>2</sub>O
- Max sound: 52 dB(A)
- Fan life expectancy: 80,000 hrs
- Connector: 4-pin PWM

AMD AM3+ / AM3 / AM2+ / AM2

AK-392BP01  
AK-392PWM  
fanall  
copperauto  
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:

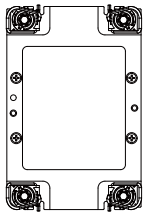
- Fan: two ball bearing, DC 12V
- Speed: 1000-5000 RPM
- Max airflow: 37.24 CFM
- Max air pressure: 6.015 mm-H<sub>2</sub>O
- Max sound: 42.4 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 4-pin (PWM)

## for AK-392:

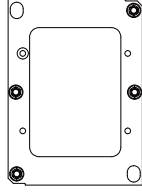
- Fan: two ball bearing, DC 12V
- Speed: 3000-6000 RPM
- Max airflow: 46.98 CFM
- Max air pressure: 8.94 mm-H<sub>2</sub>O
- Max sound: 46.5 dB(A)
- Fan life expectancy: 50,000 hrs
- Connector: 4-pin (PWM)



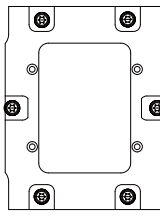
### Liquid Cooling



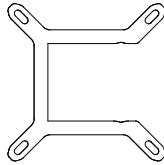
Intel  
LGA4677



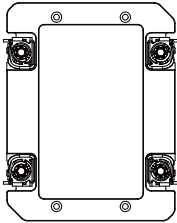
Intel  
LGA3647



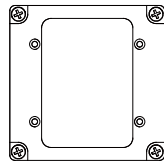
AMD SP5



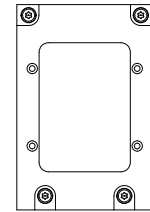
Intel  
LGA1851/1700/2011/2066



Intel  
LGA7529



Intel  
LGA2011/2066



AMD SP3/SP6

### Liquid Cooler model number scheme explanation

AK-SC-C **CP** **R** **RA** **P** **PU** **F** **FN** - **ST**

#### CP Number of Cold Plates

C01 = 1 cold plate  
C02 = 2 cold plates  
C04 = 4 cold plates

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

#### RA Radiator Profile

| Profile | Dimension(mm) |    |      | Fan support  |     |
|---------|---------------|----|------|--------------|-----|
| 1U      | 389.25        | 73 | 38.9 | 40mm fan x7  | R01 |
| 1U      | 311           | 50 | 40   | 40mm fan x7  | R05 |
| 2U      | 408           | 73 | 79.9 | 80mm fan x4  | R02 |
| 2U      | 415           | 73 | 80   | 80mm fan x4  | R06 |
| 4U      | 394           | 27 | 120  | 120mm fan x3 | R03 |
| 4U      | 400           | 38 | 120  | 120mm fan x3 | R04 |

#### PU Pump

|    |                                                                                                                                                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Rated voltage: DC 12V<br>Start voltage: $\geq 6V$<br>Rated current: 0.3A (0.45A Max)<br>Speed: 4000 $\pm$ 10% RPM<br>Flow: 750 ml/min<br>Lift: 1.8M |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|

Customisation available upon request.

\*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.

#### FN

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

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

#### ST

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

### 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® 5 processors up to 700W TDP

- Socket: 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 with integrated pump. Option with seven 4028mm fans. Available with dual cold plates designed for two Intel® Xeon® 5 processors up to 600W TDP.

- Socket support: 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:  $\geq 6V$
- 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 - 2U

## AK-SC-C022R02P01-2011

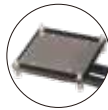


2U

650W  
TDP

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

- Socket support: SP5
- Cold plate dimension: 118 x 92.4 x 25.2mm
- Radiator dimension: 396 x 120 x 27mm
- 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

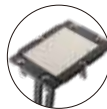


4U

750W  
TDP

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

- Socket support: LGA4677
- Cold plate dimension: 118 x 78 x 25.1mm
- Radiator dimension: 396 x 120 x 38mm
- 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 ~60°C



## AK-SC-C022R04P01-SP5



4U

750W  
TDP

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

- Socket support: SP5
- Cold plate dimension: 118 x 92.4 x 25.2mm
- Radiator dimension: 396 x 120.5 x 38mm
- 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 with 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: LGA2011
- Cold plate dimension: 58 x 58 x 24.2mm
- Radiator dimension: 396 x 120 x 27mm
- 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

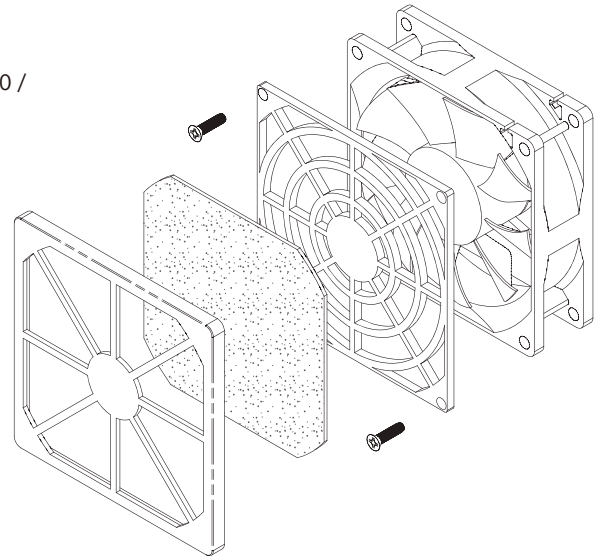
Product Code:  
GRM40-30 / GRM60-30 / GRM80-30 /  
GRM92-30 / GRM120-30



## Fan guard

- Black and 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 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**

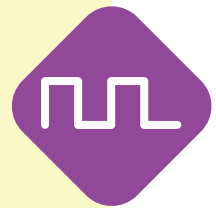
Akasa offer two types of bearings: two ball bearing and HD bearing.

| 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**

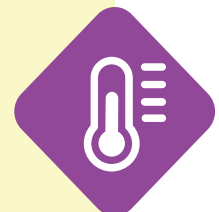
The speed of the fan can be selectively controlled via a PWM signal. This option is switched via its own wire at the fan.

**TACHO OUTPUT (FG)**

The electronics of the fan 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 specifically for monitoring the speed.

**Temperature Sensor Control**

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

**MTBF**

Mean Time Between Failure (MTBF) is the DC fan lifespan statistically 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 as standard with CE and UKCA compliance. We can work with third party laboratories for additional compliance such as VDE, TUL, UL and cUL.



## 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



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



## How to order

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

## Fan model number scheme explanation

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

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

**4010** Fan Frame Size  
eg. 4010 = 40 × 40 × 10 mm

**12** DC Voltage  
eg. 12 = DC 12V

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

## 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 <sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub> 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-H2O | 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-H2O | 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-H2O | 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-H2O | 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-H2O | 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  
Blowers

PWM 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-H <sub>2</sub> O | 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-H <sub>2</sub> O | 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-H <sub>2</sub> O | 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-H <sub>2</sub> O | 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-H <sub>2</sub> O | 5.8       |      |      | 3.9       |      |       | 2.6       |     |      |
| sound             | dB(A)               | 44.0      |      |      | 40.5      |      |       | 34.0      |     |      |
| weight            | g                   | 160       |      |      | 160       |      |       | 160       |     |      |

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

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 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  
eg. 12 = DC 12V

**5015** Fan Frame Size

**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

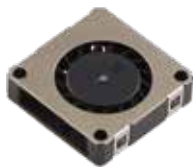
Thermal Interface

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  |



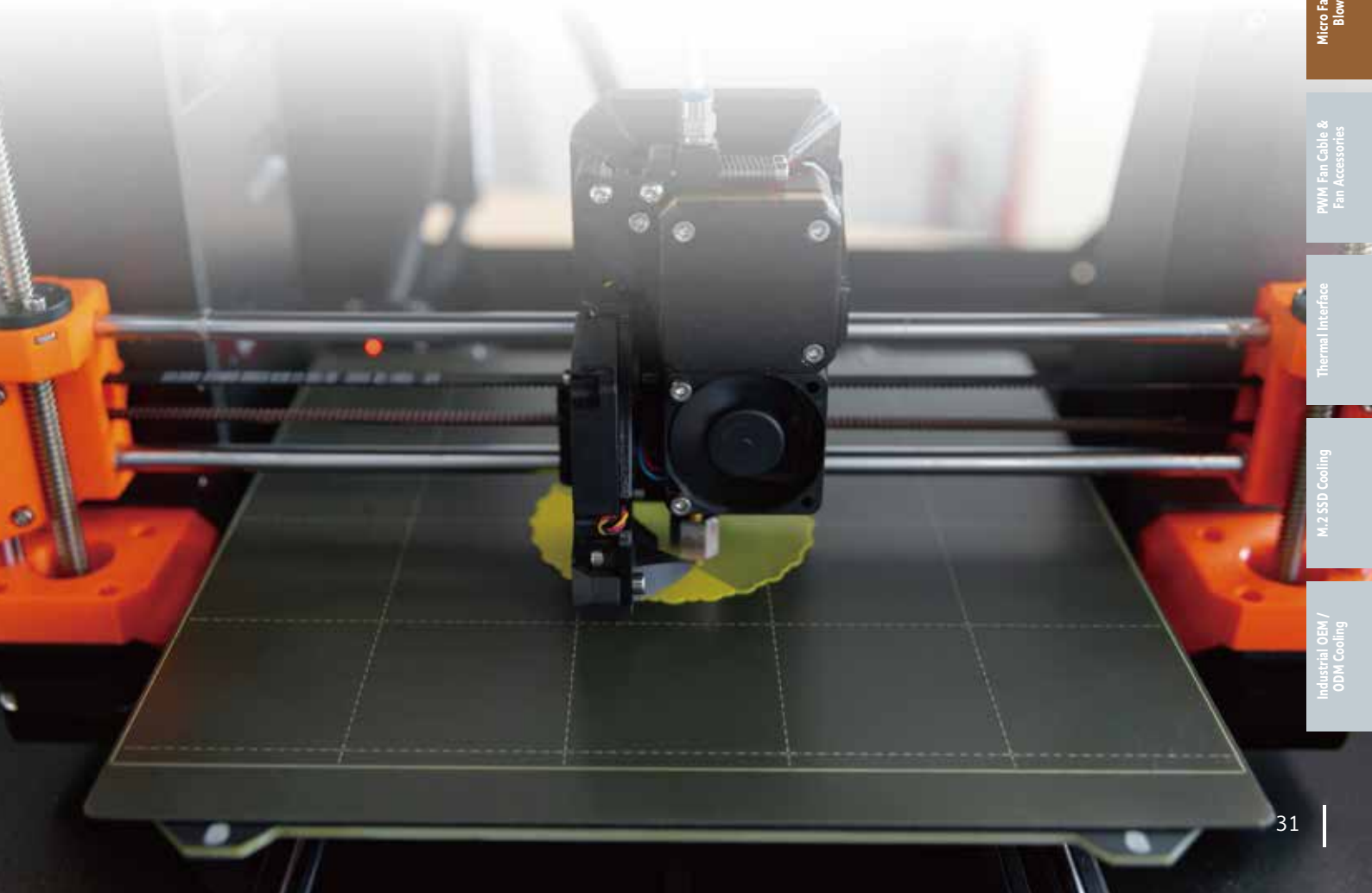
AK1708 Micro Fan

| 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

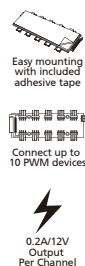


## FLEXA FP10H

### 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:

Designed for 80 or 92mm Fans  
(Product Code: AK-MX304-08BK)

Designed for 120mm Fans  
(Product Code: AK-MX304-12BK)

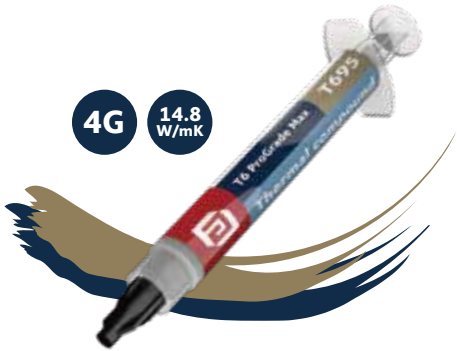
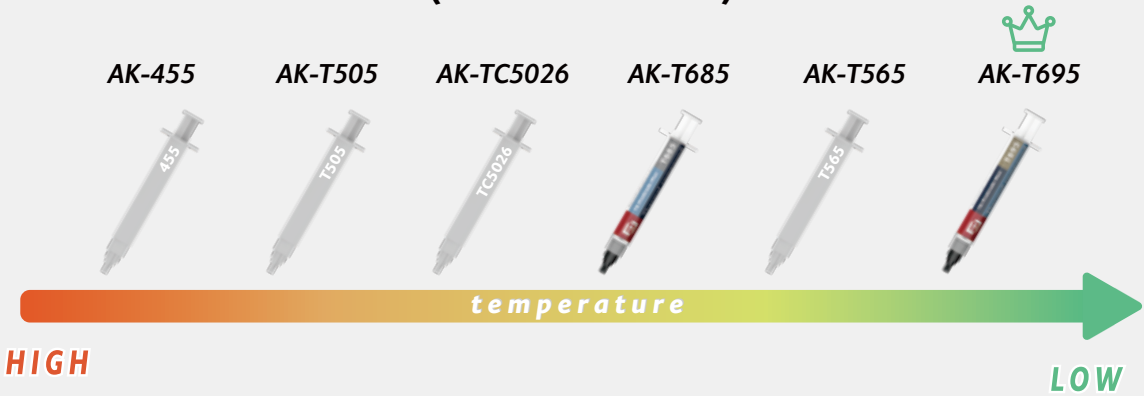


## Rubber Case Fan Mounts

- Eliminate 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)

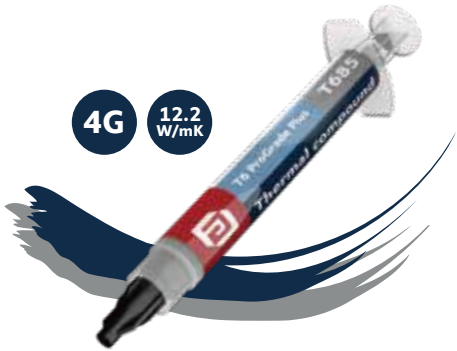


T6 ProGrade Max

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 CPU
- 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 CPU
- Conveniently included wipes and spreader
- Thermal conductivity: 4.0 W/mK

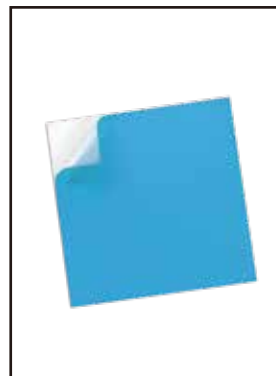
Product Code: AK-T505-5G



### T5 Pro-Grade Plus

- For ultra-performance CPU or GPU
- 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

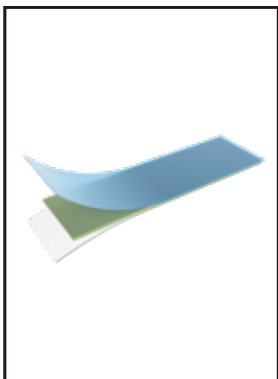
Product Code: AK-TT300-01



### 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

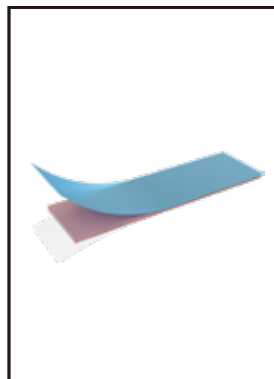
Product Code: AK-TT300-02



### 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

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
- TIM wipes have 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

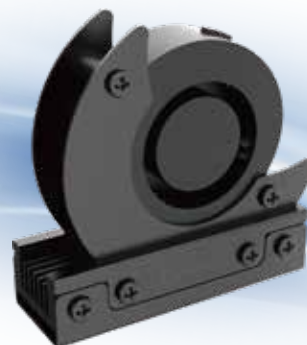


For  
M.2 2280 SSD

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

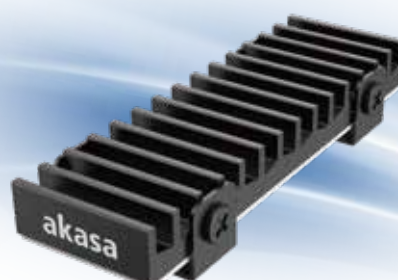
Product Code: A-M2HS01-BK



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

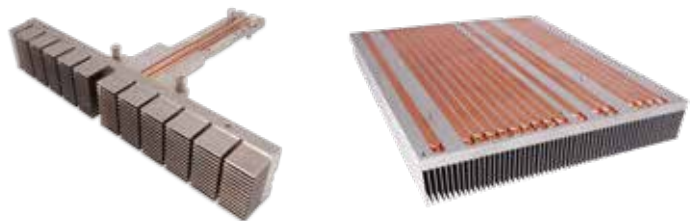
### High-Powered Custom Heat Spreaders

#### Features

- Embedded copper heat pipes into a heat sink so that heat is spread uniformly
- Standard and OEM/ODM service available for specific application 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 application and requirements

#### Specification

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

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