



EVERCOOL
The Aesthetics Of Heat Dispersion

PRODUCT BROCHURE



2014

Best Partner

RETAIL

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OEM

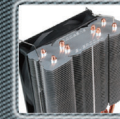
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VENTI

HPQ-12025

- PWM fan to adjust the power of the fan efficiently, enable HPQ-12025 to obtain both cooling performance and quietness.
- Dual fan installed option provides increase the speed of heat conduction. (addition prices for dual fan purchase.)
- Up to 200W.

VENTI 女神
風魅靜舞

- H.D.T. (Heat-pipe direct touch) technology, efficiently diminish thermal resistance, enhancing heat conductivity.
- 4 x 6mm copper heat pipes soldered tightly with fin, to ensure fastest Thermal conductivity.
- HPQ-12025 designed with all metal clips provides a secure attachment on motherboard for Intel socket LGA775, 1366, 115X, 2011/ AMD AM2, AM2+, AM3, FM1.

HEATPIPE CPU COOLER

HPR-9225EA

- 2x Ø6mm-U-shape copper heat pipes accelerate heat conductivity.
- Simple installation procedure design.
- Universal socket support: Intel 115X/775, AMD K8/AM2/AM3/FM1/FM2.



SILENT SHARK

HPO-12025

- The design of the six heat pipes giant should provide adequate cooling which enhance heat dissipation effect up to 250W.
- The design of dual tower enhances heat dissipation effect.
- Special fin feature that generates outstanding vortex airflow.



TRANSFORMER S

HPN-9225

- Dual heat pipes and HDT technology provide effective cooling.
- The specially designed fins allow smooth air convection.
- 9cm fan with unique fan blade design for silent operation.



TRANSFORMER 3

HPM-12025

- The three Ø6mm heat pipes in V shape and the special fins design effectively increase airflow and cooling performance.
- Equipped with a 12cm PWM fan provides a silent and good performance; one additional fan can also be added.



HEATPIPE CPU COOLER

HPK-10025

- 4 heatpipes in 6mm and H.D.T. Tech can make the maximum cooling efficiency.
- Application for Intel LGA 1366 & 775 series.
- The 10cm extremely quiet fan provides more air flow while using.



LOW PROFILE

HPL-815

- 1.5U low height design cooler for slim type cases.
- 4 heat pipes with direct contact tech maximize heat conductivity.
- PWM smart fan will automatically adjust the fan speed according to the temperature of CPU for a silent operation.





THERMAL COMPOUND

HTC Series

HTC-01 / HTC-02

- Special chemical material & high thermal impedance.
- Superior Reliability.
- Not electrically conductive.



Grease Cleanser Inside

TC Series

TC-03 / TC-10 / TC-25 / TC-200

- High thermal conductivity & high penetrability.
- Excellent stability and under a wide range of temperatures and operating conditions.
- Stable consistency.



STC Series

STC-01 / STC-02 / STC-03

- Cruise Missile(STC-03) with extremely low thermal resistance for superior thermal performance.
- Cruise Missile(STC-03) remain workable for easy spreading, screen printing and dispensing even after storage and exposure to air.
- High reliability and stability under adverse conditions such as thermal cycling, high humidity and high-temperature aging.



VGA COOLER / SYSTEM COOLER

RVF

RVF-1F / RVF-2F

- Unique design, could change the original damage VGA fan easier and extend VGA's life.
- Fixed clip could move from 5~9.7 cm flexibly and adjust from fin's size to have high compatibility.
- With 8cm long life & silent fan to offer smooth wind and thermal efficiently.



MINI UFO

VC-RI

- All in one kit design to provide trinity bore diameter type design. The cooler are compatible for VGA card in Nvidia and ATI series.
- Aluminum and arc modeling Heat sink with LED light design.
- Easy to installation.



PYTHON

PY-01

- Suitable with all PC cases.
- Easy installation.
- Flexible Metal Conduit allows multi-angle curvature use.
- Airflow direction can be adjusted, allows specify area heat dissipation by users needs.



FOX Series

SB-F1 / SB-F2 / SB-F3

- Exhaust the harmful hot air from inside the case.
- High air flow, high static pressure.
- Special design blades structure heat dissipation 5 times than other competitors.
- Easy installation, take up only one PIC or ISA slot.



ROCKET V

SB-RV

- Unique 2 in 1 function, it can adjust the position as user's demand. No matter for VGA or system, it gets excellent application.
- To provide with adjustable fan speed, it gets excellence of high speed (while overclocking) or low speed in the silent environment.
- By using dual 8cm high air flow fans for excellent heat dispersion.



CROSS FLOW SYSTEM COOLER

PCAC2

- Fit for 5.25" Drive Bay and easy to install.
- Turbine lateral cross-flow fan design increases the air flow and takes the heat away efficiently.
- Classical appearance design.
- Speed controller can control the fan speed, and the maximum speed is 100 CFM.





ARMOR

HD-AR-R

- Convert the dual 5.25" Drive Bays into three 3.5" H.D.D or four 2.5" H.D.D
- Inside demountable filter is easy to clean the dust to keep the tidy case.
- Aseismatic design preserves the hard disc from damage.
- Using 8cm long life fan provides well cooling performance.



SONIC

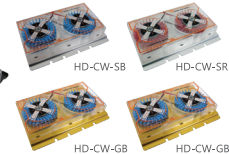
HD-SC



- By using single 8cm high air flow fan with exclusive Evercool Long Life bearing; long life is up to 40,000 hours!
- Air flow suck in at one way and expel from two directions. It can help to discharge heat of hard disk driver and make the running more smoothly.

COOL WHEEL

HD-CW



NIGHTHAWK

HD-F117



- It can use for 3.5" HDD with high compatibility.
- Reduce hard disk drive temperature.
- Extends your hard disk drive life and reliability.
- Easy Installation.

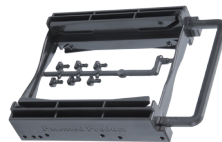


ACCESSORY > PERIPHERALS

SCREWLESS DESIGN BRACKET FOR 2X2.5" HARD DRIVE

HDB-252A

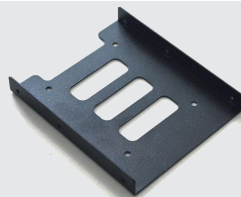
- HDB-252A allows you to mount 2.5" drives into a 3.5" drive bay.
- Easy installation without any tools.
- Minimal design, light instruction.



HDB-250

HDB-250

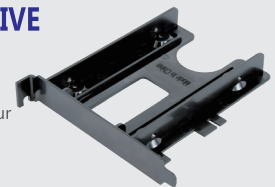
- This drive bay mounting bracket kit let your 2.5" drives completely fitted into a 3.5" drive bay.
- Maximize the internal space of your computer case for efficient usage.
- Supports any computer cases with an available 3.5" drive bay.



SINGLE BAY 2.5" HARD DRIVE BRACKET FOR PCI SLOT

HDB-100

- To organize and save more internal space of your computer, HDB-100 allows you to install one 2.5" hard disc into PCI slot.
- Minimal design, light instruction.
- Capable for one 2.5" SSD / HDD.



HDB-25351

HDB-25351

- Super Thin, Super Lightweight aluminum bracket.
- Capable for two SSD/HDD mounting in one 3.5" PC bay.
- Capable for mounting an 8cm cooling fan for fast heat dissipation.



STORAGE BOX

BOX-MK

- One touch open spring loaded tray.
- Fits into any 5.25" bay.
- Fix by screw, easily assembly.
- Easy installation and removable tray.



TWISTER

SCB-CD2

- Controller can be placed in the front 3.5" panel or on PCI card slot
- Fan speed can be easily adjusted by turning the control knob.
- Suitable for all types of DC fans.



K8-FM1

K8-FM1

- Compatible For AMD K8 SOCKET / AM2 AM3 FM1.





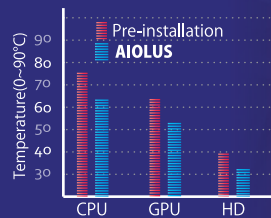
AIOUS

NPB-101

- Cooling pad with two fans, added one more blower which offers superior cooling efficiency, you should no longer encounter the overheat by laptops.
- Evercool unique patented blower design, which has various angles and different soft interface to fit air outlet perfectly.
Patent no. : ZL201220578586.6
- Aluminum cooling pad can upgrade heat dissipation efficiency. Its ergonomic design provides a comfortable use.
- Two types of air outlet accessories, rubber interface fit most laptop that can be compatible with most laptops.



■ PERFORMANCE COMPARISON CHART



CARRY

NB-EC01

- Blower can rapidly bring out the heat, reducing laptop temperature and lengthen laptop lifetime.
- Staged bars design on the surface ensures the handheld stability. Lightweight, slim design is easy to carry.
- 2-speed airflow for silent/ overclocking.



HAWK 2

NP-711

- The metal iron mesh design with one 12cm noiseless and high-airflow fan provides good ventilation for silent cooling efficiency.
- Ergonomic design with five angles adjustment. Users can choose the most comfortable position for their notebook.
- It's compatible with 12"-17" notebooks (including CULV).



BATTLE HERO

NP-611

- Gaming style makes it eye-catching and unique.
- Pure aluminum enhances the performance of heat dissipation, avoiding lag and keeping the notebook's operation extremely smooth.
- Dual long-life fans (16dBA) provide silent cooling performance.



ZODIAC II

NP-311

- 12cm fan provides silent and great airflow.
- Its ergonomics design makes users feel comfortable while using. Compatible with Notebook and 11"-14" Notebook.
- Constellation marks and Sun radiated design for punched wind holes are classical technical art. P.S: Adding LED into constellations design in Starlight version is eye-dazzling.



FIT

NB-FT1

- To take out the heat inside the laptop, keep the smooth operation and lengthen laptop's lifetime.
- Unique multi-angles adjustment design enlarges its compatibility for all 9"-18" size laptops.
- Easy to use and no assembling process.



HAWK 1

NP-511

- ULTRA THIN design.
- Metal iron mesh.
- USB port for power, easy to store.
- Dimension for 300 x 264 x 28mm and great compatibility.

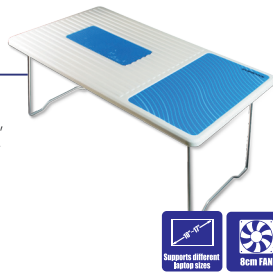




BOSSA NOVA

NTC-102

- Design inspired by refreshing ocean appears, characterized with blue color and wave lines.
- It's also an attractive looking with exquisite blue air outlet design.
- Evercool 80mm silent fan provides the most efficient heat flow.



YOHO

NT-111 / NT-112

- Ergonomics design allows the user to adjust the height and angle to provide a comfortable use.
- Its good design allows the user to be use this table on the bed, sofa or on the ground.
- This table has been made of environmental high-density fiber with aluminum holders, making it light and stable.



KEITH

NTC-101

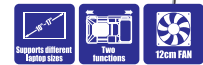
- To identify the correction among life memories and visions and further design with familiarities from childhood memories.
- MDF with scratch proof treatment.
- The USB connector fixtures for secured use.



WHITE KNIGHT

NT-101

- Design inspired by classical baroque knights.
- Two functions: cooling pad and cooling table for different using environments.
- It supports different laptop sizes, and has one particular space for mouse use.



BLUETOOTH HEADSET

EC-BH530 / EC-BH591

- Bluetooth version V3.0+EDR. By connecting our BH-530 to any supported Bluetooth products, you can stream music wirelessly and enjoy hi-fi in stunning quality.
- Bulid-in 360 d Omin directional microphone supports clear voice in significantly higher quality.
- Adaptable headband can fit different size user, soft leather earpad design brings you comfortable wearing.



EC-BH591

BLUETOOTH STEREO SPEAKER

EC-BT100

- Bluetooth Stereo Speaker, V3.0+edr, Hands-free, Speaker Driver 40mm 4 Ohm/3w, Rechargeable Battery 450ma, Micro Usb Charging Power, W/o Nfc, Color Box



CAR HOLDER

USH-01 / USH-02

- Device works with all types of Cell Phone/ GPS / PDA / IPOD.



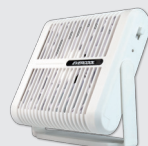
USH-01

USH-02

MAGNET USB FAN

MUF-12

- A 12cm multi-functional superior airflow efficiency fan that can be free to placed anywhere.
- USB device, a desk fan easy to plug into computer.



DR. COOL

RC-01

- World's first specialized cooler for Routers and IP sharing devices with unique design. (Patent No: D 144402 Taiwan).





RETAIL PACKAGE FAN

- Long life bearing.
- Low noise & high airflow.
- Low pollution(ROHS complete).

17*17*08	40*40*07	50*50*15	70*70*15	80*80*35
20*20*08	40*40*10	60*60*10	70*70*25	80*80*38
25*25*10	40*40*20	60*60*15	80*80*10	92*92*25
30*30*07	40*40*28	60*60*20	80*80*15	120*120*25
30*30*10	45*45*10	60*60*25	80*80*20	120*120*38
38*38*38	50*50*10	70*70*10	80*80*25	140*140*25



CRYSTAL LED FAN

- Long life bearing.
- Low noise & high airflow.
- Exclusive LED flash design(Blue/Green/Red/Orange).

80*80*25
92*92*25
120*120*25
40*140*25



SILENT SHARK FAN

SSF-12

- Fan with sawtooth-shaped vanes creates high air pressure and provides great cooling performance.
- Shark gills-shaped wind guides generate an outstanding vortex airflow.
- Two functions for silent / overclocking and speed control make it convenient and affordable.



EVER GREEN FAN 12 PLUS

EGF-N12

- 14CM fan can fit into 12cm case providing higher airflow and high cooling performance.
- Shock absorption ring design reduces both vibration and noise.
- Manufactured with environment-friendly materials. Protects the Earth and causes no pollution Compatible with RoHS standard.



EVER GREEN FAN

EGF-4 / EGF-6 / EGF-7 / EGF-8 /
EGF-9 / EGF-12 / EGF-14

- Ever Green Fans are compatible with the standard for European Union's ROHS.
- There are no artificial metallic elements involved in the processing for these fans.



METAL FAN GRILLS

FG-40 / M Size : 40 x 40 mm FG-50 / M Size : 50 x 50 mm
FG-60 / M Size : 60 x 60 mm FG-70 / M Size : 70 x 70 mm
FG-80 / M Size : 80 x 80 mm FG-90 / M Size : 90 x 90 mm
FG-120 / M Size : 120 x 120 mm FG-140 / M Size : 140 x 140 mm
FG-220 / M Size : 220 x 220 mm



FILTER SERIES

FGF-40 / P Size : 40 x 40 mm FGF-60 / P Size : 60 x 60 mm
FGF-80 / P Size : 80 x 80 mm FGF-90 / P Size : 90 x 90 mm
FGF-120 / P Size : 120 x 120 mm

- This plastic fan filter kits are technically designed for the removal of dust.
- Very simple and quick installation.
- Maintenance is very simple, the guard portion and cooling fan do not need to be removed.



UY CONNECTOR

CW-01

- The connectors possess good properties for moisture-resistance.
- Easy use and simple way to make a secure wires connection.
- Perfect wire combinations with UY connector.



ANTI-VIBRATION HDD FAN MOUNT

UVS-01

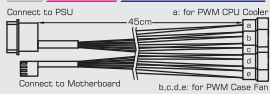
- Suitable to closed chassis fans with thickness 25mm.
- Suitable to open chassis fans with thickness 4mm.
- Rubber foot screws complies to 3.5" or 2.5" HDD.





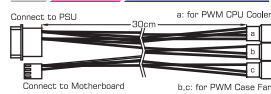
FAN CABLE ADAPTERS

EC-DF001



- Supports 5 PWM fans from a single motherboard PWM header.
- Black braided cable.

EC-DF002



- Synchronizes three PWM fans with PC CPU usage.
- Simple solution for quiet and smart fan control.

EC-DF003



- Connects four fans to the PSU.
- Speed reduction for two fans.
- Choice of 5V and 12V connectors.

EC-DF004



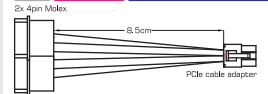
- Fan speed reduction cable.
- 3pin fan noise reduction.
- Reduces 12 voltage supply by 4.5V.
- Lengths : 10cm.

EC-DF005



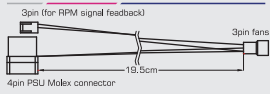
- Fan speed reduction cable.
- 2pin fan noise reduction.
- Reduces 12 voltage supply by 5.5V.
- Lengths : 10cm.

EC-DF006



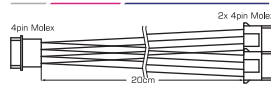
- 2x 4pin Molex to PCIe connectors.
- Updates PSU compatibility with PCIe VGA cards.
- Length : 8.5cm.

EC-DF007



- Powers 3pin fan directly from PSU.
- Provides RPM signal to the motherboard. (optional)
- Compatible with 3pin fans.

EC-DF008



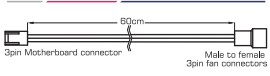
- 4pin to 2x 4pin Molex power splitter.
- Allows additional 4pin peripheral connection.
- Lengths: 20cm.

EC-DF009



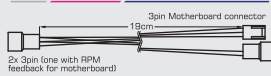
- 4pin fan to 3pin controller adapter cable.
- Compatible with 4pin fans (with 2 wires).

EC-DF0010



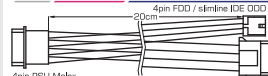
- 3pin male to female extension cable.
- Compatible with 3pin fans.
- Length: 60cm.

EC-DF011



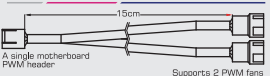
- 3pin female to 2x 3pin male.
- Connects two fans to single fan header.
- Compatible with 3pin fans.

EC-DF012



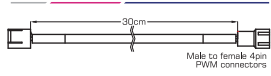
- Provides small 4-pin FDD connector.
- Compatible with FDD and slimline optical drives (IDE).
- Length : 20cm.

EC-DF0013



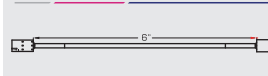
- Supports 2 PWM fans from a single motherboard PWM header.
- Black braided cable.

EC-DF014



- 4pin PWM and 3pin fans compatible.
- Black sleeve.
- Lengths: 30cm.

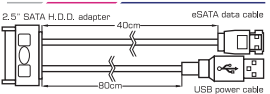
EC-DF015



- 3pin male to Dell 3pin female.
- Length: 15.5cm.

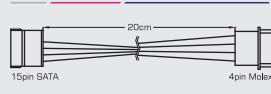
SATA CABLES

EC-ST001



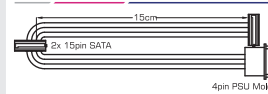
- Simple connection for 2.5" SATA and SSD drives.
- Stylish and compact design.

EC-ST002



- Provides additional SATA power connector.
- Converts 4pin PSU Molex to 15pin SATA power.
- Lengths: 20cm.

EC-ST003



- Provides 2 additional SATA power connectors.
- 4pin PSU molex to 2x 15pin SATA power.
- Lengths: 30cm.

EC-ST004



- Provides 2 additional SATA power connectors.
- 4pin PSU molex to 2x 15pin SATA power.
- 50.8cm long.

POWER CABLE ADAPTERS

EC-PW001



- 4pin PSU molex male to female connectors.
- Black sleeve.
- Lengths: 30cm.

EC-PW002



- 30cm motherboard power cable extension.
- 24pin male to female connectors.
- Black mesh cable sleeve.

ATX CABLE

EC-AT004



- 6-pin PCIe to 8-pin ATX12V adapter.
- Updates PSU compatibility with dual and quad processors systems.



DC FAN



DC Fan Series

1708 : 17x17x08mm	4007 : 40x40x07mm	5015 : 50x50x15mm	7015 : 70x70x15mm	8038 : 80x80x38mm
2008 : 20x20x08mm	4010 : 40x40x10mm	5020 : 50x50x20mm	7025 : 70x70x25mm	9225 : 92x92x25mm
2510 : 25x25x10mm	4015 : 40x40x15mm	6010 : 60x60x10mm	8010 : 80x80x10mm	9525 : 95x95x25mm
3007 : 30x30x07mm	4020 : 40x40x20mm	6015 : 60x60x15mm	8015 : 80x80x15mm	12025 : 120x120x25mm
3010 : 30x30x10mm	4028 : 40x40x28mm	6020 : 60x60x20mm	8020 : 80x80x20mm	12038 : 120x120x38mm
3510 : 35x35x10mm	4510 : 45x45x10mm	6025 : 60x60x25mm	8025 : 80x80x25mm	14025 : 140x140x25mm
3838 : 38x38x38mm	5010 : 50x50x10mm	7010 : 70x70x10mm	8035 : 80x80x35mm	

FAN FRAME SIZE (L.xW.xT.)

FRAME SHAPE

Blank: Square Type

- B: Blower Frame Type
- H: Against Blade Type
- CL: Crystal LED
- C: Crystal

FUNCTION

- A: FG Signal
- P: Pulse-Width Modulation
- T: TEMP. Sensor
- R: RD Signal
- Blank: NO Signal Output

BEARING TYPE

- S: Sleeve
- C: Uni Ball
- B: Two Ball
- E: EL Bearing

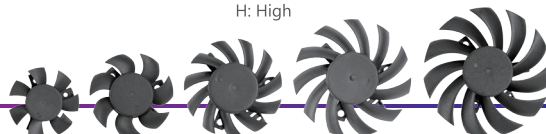
VOLTAGE

- 05: 05VDC
- 12: 12VDC
- 24: 24VDC

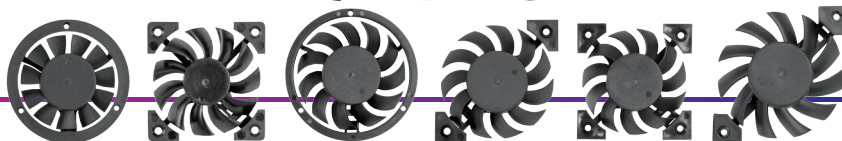
MOTOR SPEED

- SH: Special High
- FH: Fourfold High
- TH: Triple High
- HH: Double High
- MH: Middle High
- H: High
- M: Middle
- L: Low
- LL: Double Low
- SL: Special Low
- XL: Extra Low

Insert Fan Series



Cap Fan Series



Blower Fan Series



AC FAN

8025
8038

9225
12025

12038
12038-7

17250
17250-7



CPU COOLER



Intel 115X Series

NI01-9525SA

- Crotch fin provides more heat dissipation area.
- Push pin design for easy Installation.



Intel 115X Series

NI02-9225SA

- Crotch fin provides more heat dissipation area.
- Push pin design for easy Installation.



Intel 115X Series

NI03-9525SA

- Crotch fin provides more heat dissipation area.
- Push pin design for easy Installation.



Intel 115X Series / Intel 775 Series

UI01-9225SA

- Push pin design for easy Installation.
- It is compatible with Intel 1155/1156/775 series.



Intel 115X Series

NI01L-9525EP

- Crotch Fin Provides more Heat Dissipation Area.
- Back Holder Design Keeps the Mainboard from Deforming.
- PWM Function Fan for a Silent Operation.
- Low Profile Design suit to 1.5U system.



Intel 115X Series

NI01SL-810SA

- Crotch Fin Provides more Heat Dissipation Area.
- Back Holder Design Keeps the Mainboard from Deforming.
- Max TDP Up To 73W.
- Low Profile Design suit to 1U system.



Intel 115X Series

NI01L-9225SP

- Crotch Fin Provides more Heat Dissipation Area.
- Back Holder Design Keeps the Mainboard from Deforming.
- PWM Function Fan for a Silent Operation.
- Low Profile Design suit to 1.5U system.



Intel 2011 Series

NI2011A-9225EP

- Crotch Fin Provides more Heat Dissipation Area.
- Insert Copper Improve Heat Transfer.
- PWM Function Fan for a Silent Operation.
- Max Power Dissipation 130W.



Intel 2011 Series

NI2011E-9525SP

- Crotch Fin Provides more Heat Dissipation Area.
- PWM Function Fan for a Silent Operation.
- Max Power Dissipation 130W.



Intel 115X Series / Intel 775 Series

UI01-9225SA

- Push pin design for easy Installation.
- It is compatible with Intel 1155/1156/775 series.



Intel 775 Series

PT12-9225SA

- The special fin design adequately ventilated the cooler more efficiency.
- By using 9.5cm fan in order to make the perfect heat dissipation.
- Silent Solution.



SERVER COOLER



Intel 2011 Server Cooler

LGAL2011B(N)

- All Copper Provides Faster Heat Dissipation Rate.
- Design For 1U Server.
- Max Power Dissipation 95W(Up To System Fan).



Intel 2011 Server Cooler

LGAL2011B(S)

- All Copper Provides Faster Heat Dissipation Rate.
- Design For 1U Server.
- Max Power Dissipation 95W(Up To System Fan).



Intel 2011 Server Cooler

LGAL2011A-B715

- All Copper Provides Faster Heat Dissipation Rate.
- Design For 1U Server.
- PWM Function Fan for a Silent Operation.
- Max Power Dissipation 95W.



Intel 775 Server Cooler

LGALB-B715

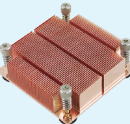
- All Copper Provides Faster Heat Dissipation Rate.
- Design For 1U Server.
- PWM Function Fan for a Silent Operation.
- Max Power Dissipation 95W.



Intel 775 Server Cooler

LGALA

- Application for LGA775 Socket T Rack Mount system.
- All copper, Skive Fin Technology.



Intel 775 Server Cooler

LGAL-710

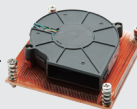
- Application for LGA775 Socket T Rack Mount system.
- All copper, Skive Fin Technology.



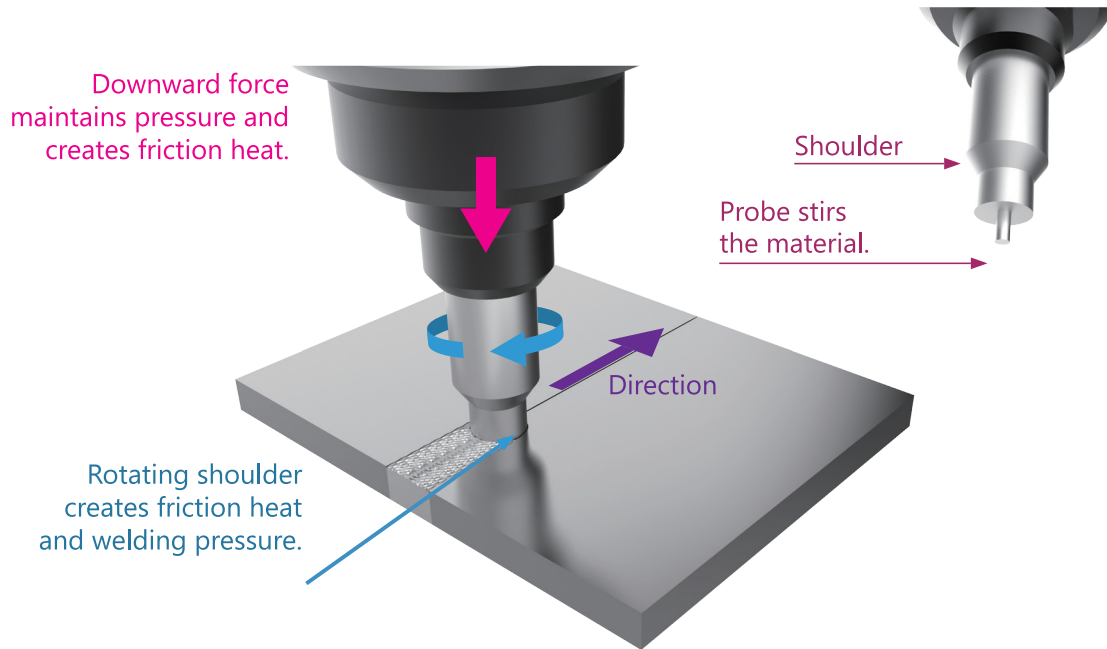
Intel 1156 Server Cooler

LGAL1156A-B715

- All Copper Provides Faster Heat Dissipation Rate.
- Design For 1U Server.
- PWM Function Fan for a Silent Operation.
- Max Power Dissipation 95W.



FRICTION STIR WELDING (FSW)



Friction-stir welding heat sink (Large scale heat sink)

Friction-stir welding (FSW) is a solid-state joining process (the metal is not melted) that uses a third body tool to join 2 faying surfaces. Heat is generated between the tool and material which leads to a very soft region near the FSW tool. It then mechanically intermixes the two pieces of metal at the place of the join, then the softened metal (due to the elevated

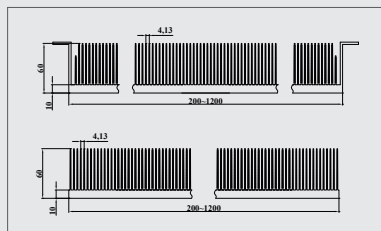
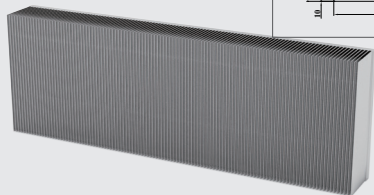
temperature) can be joined using mechanical pressure (which is applied by the tool), much like joining clay, or dough. It is primarily used on aluminium, and most often on extruded aluminum (non-heat treatable alloys), and on structures which want superior weld strength without a post weld heat treatment.

The advantages of FSW solution

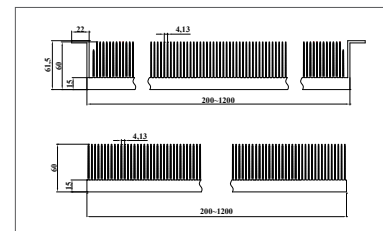
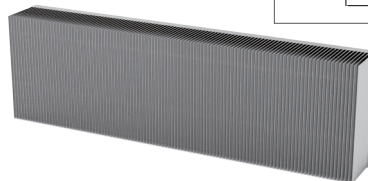
1. EVERCOOL offers a wide range of machine choices for FSW applications without tooling charge.
2. The joining technology offers long lengths of welds in aluminum without any melting of the base material.
3. Stable thermal conductivity.
4. High efficiency with low cost.
5. No MOQ limited.

EVERCOOL FSW TOOLING

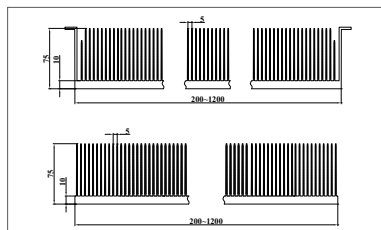
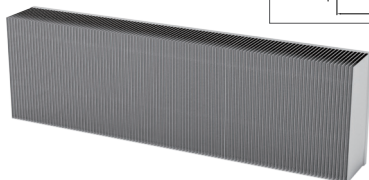
1060 Series



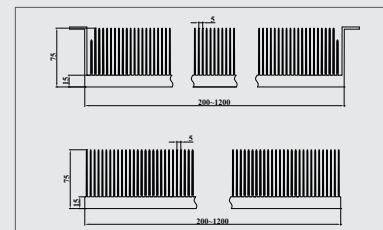
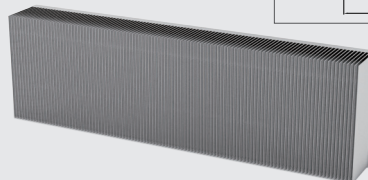
1560 Series



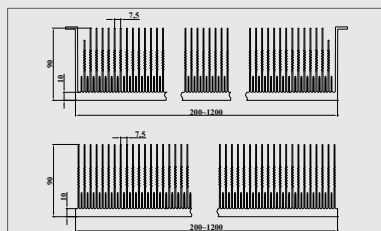
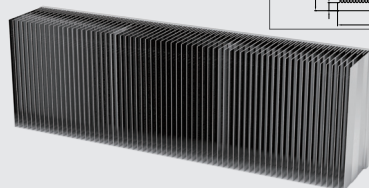
1075 Series



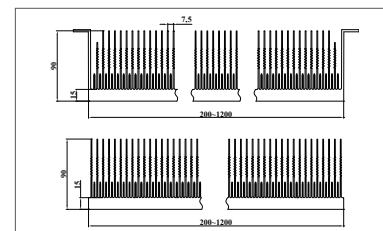
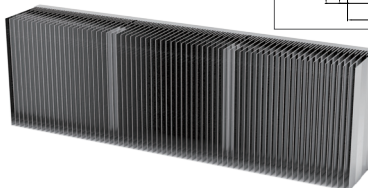
1575 Series



1090 Series



1590 Series



ALUMINUM HEATSINKS

Bonding Fin

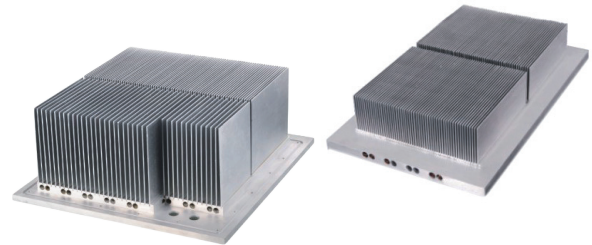
A technique alloyed with other metals- fins are attached to the heat sink base, heat will be generated to the fins from the base.

The advantages of bonding fins:

1. Compare to aluminum extrusions, bonding-fins can customize straight fins depending on the thermal performance requirements by increasing surface area.
2. Specific size, length, width, height and fins design without limited.
3. Material Metal materials can be copper, aluminum or mixed metal bonded-fin assemblies, heat pipes application can also

enhance heat dissipation efficiency.

4. Methods of surface conditioning on bonding fins: degrease, chromate, anodize or paint.



Aluminum Extrusions Processing Application

Today, aluminum extrusion is used for a wide range of purpose. Our company applies this process in various uses:

1. Thermal solution:

Aluminum extrusions is one of the most common material used in developing heat dissipation solutions.

2. Appearance:

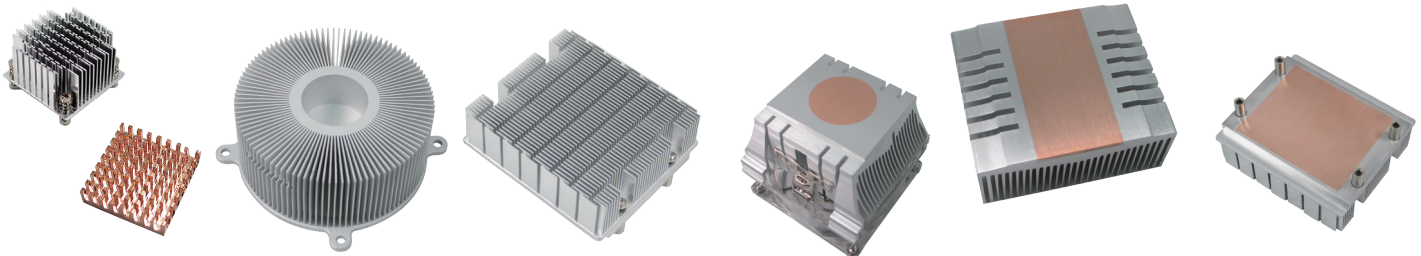
After the extrusion process, a variety of options are available to adjust the color, texture and brightness of the aluminum's finish. It is a typical material used widely in shells of electrical products to improve the quality of products.

3. Production Technology:

Aluminum is extraordinary for the metal's low density,

light-weight and corrosion resistance. Aluminum extrusion is regularly used as structures for the frame of solar energy power base and doors, windows for architecture industry.

EVERCOOL has great experiences in these three process application, we provide not only components, but customize products with special treatment such as tooling, mechanical finishing and to the last step surface finishing. EVERCOOL built our R&D team by being professional and flexible in order to meet the specific needs of our customers. EVERCOOL provides the very best products of the highest quality which are cost effective and incorporate the latest in technology and technical design.



ALUMINUM HEATSINKS

EVERCOOL Mechanical finishing

1. Precision cutting
2. Crosscutting
3. Welding of dissimilar metals(Joining of different metals)
4. Precision drilling
5. CNC Machining
6. FSW

Surface finishing:

1. Sand blasting
2. Brushing
3. Laser marking
4. Anodizing



Welding of dissimilar metals(Joining of different metals)

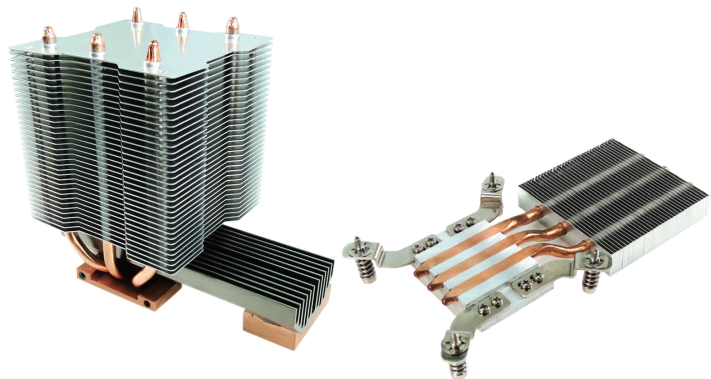
Welding of dissimilar metals(Joining of different metals) technology, mainly due to the slow thermal conductivity of aluminum alloy, it will be designed to apply heat pipes or copper base of heat sinks to increase the thermal dissipation efficiency, there are two ways:

1. To design grooves in aluminum alloys then fixed heat pipes or copper base, this method can effectively increase the heat transfer efficiency and enhance the heat sink performance.
2. Soldering heat pipes with aluminum alloy by adhesive.

Heat pipes insert fin technology

In pursuit of high heat dissipation performance, the most commonly use of the heat source is "Heat pipe". Heat pipes offer high effective thermal conductivities. Heat pipes transfer heat more efficiently, EVERCOOL insert fins onto the end of the heat pipe which enables coolers to transport heat from the heat source and dissipate it to the ambient via fins.

A plurality of heat transfer fins are disposed parallel and perpendicular to the extension of the heat pipes. It's a high-efficiency environmental process and is suitable for cooling in limited space.





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