

# EVERFLOW Thermal Solution Product catalog

# Product Catalog

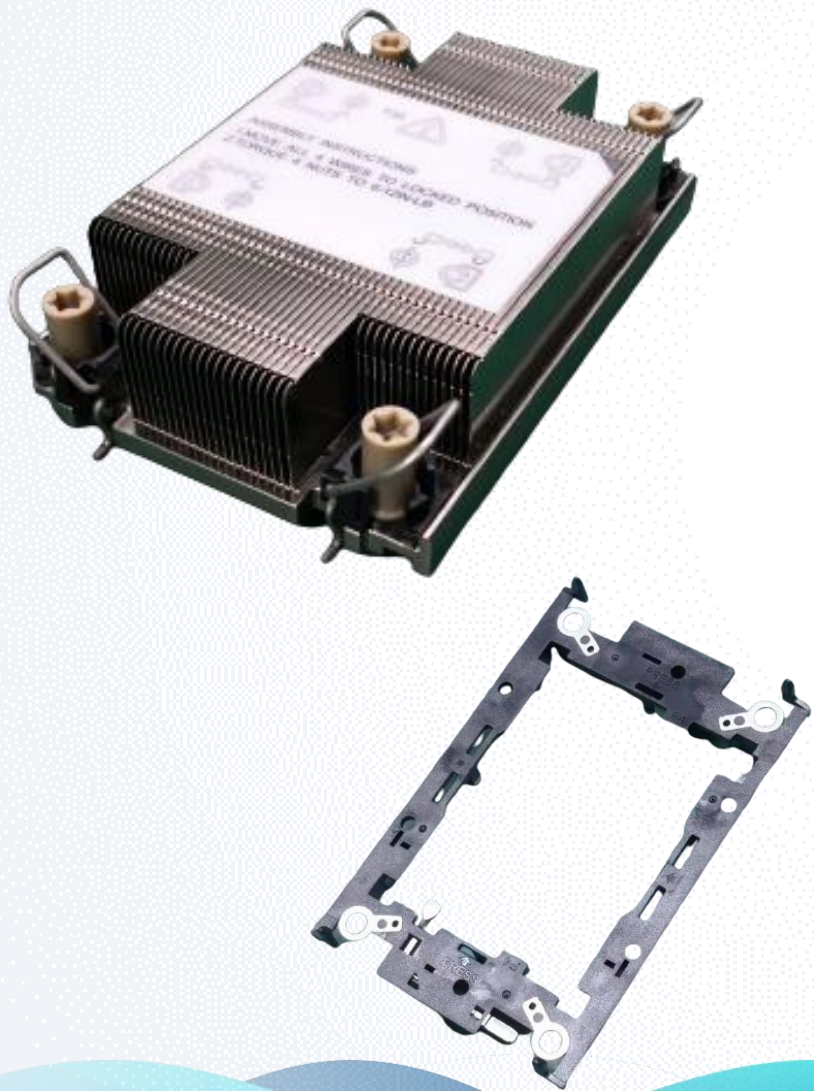
ThermalBro



Intel		Intel&AMD
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P12:4U-active,280W, 116.7*92.5*125	<b>LGA 2066</b>	P30:4U-active,320W, 118*92.4*125.5
	P22:4U-active,160W, 93*95*119	<b>SP6</b>
		P31:4U-active,350W, 118.2*92.5*125.4
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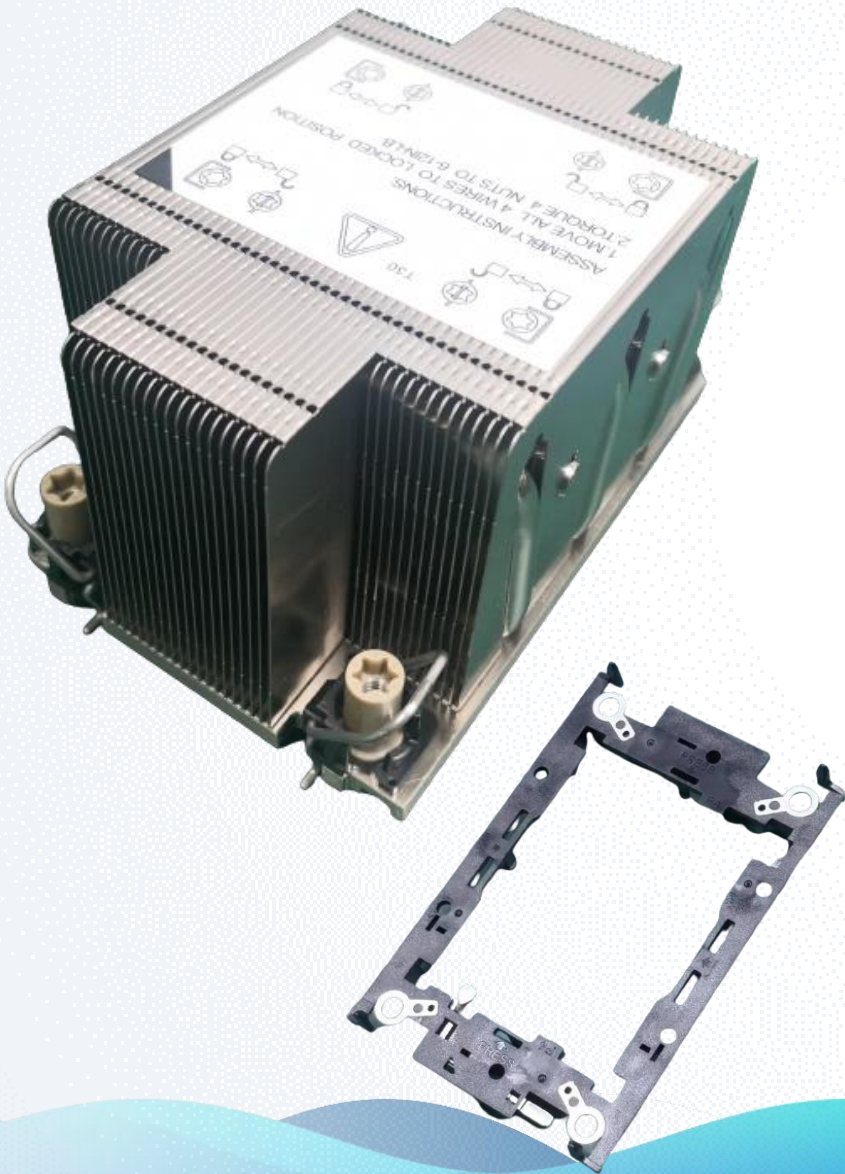


# Intel LGA 4677



Model No	EA7190
Features	<p>Precision stamping buckle FIN processing technology.</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Intel special screw installation, convenient, stable and reliable.</p> <p><b>Applied to 1U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP205W</b> (requires the cooperation of the air duct of the chassis system)</p> <p>Heat dissipator: copper bottom + aluminum FIN</p> <p>Product size: 118x78x25.3mm</p> <p>Product weight: 236g</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 4677



Model No	EA7290
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>5 heat pipes are added to the copper base plate to improve the thermal conductivity efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP300W</b> (requires the cooperation of the air duct of the chassis system)</p> <p>Heat dissipator: copper bottom + aluminum FIN + 5 high-efficiency heat pipes</p> <p>Product size: 118x78x64.3mm</p> <p>Product weight: 429g</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 4677

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Model No	EA7291
Features	<p>Five high-efficiency U-shaped heat pipes, with direct contact of high-efficiency heat pipes at the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 300W</b></p> <p>Product weight: 510g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 5 high-efficiency heat pipes</p> <p>Product size: 113x80x66.3mm</p> <p>Fan speed: PWM1500-9300 rpm</p> <p>Noise: 54dBA</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 4677

ThermalBro

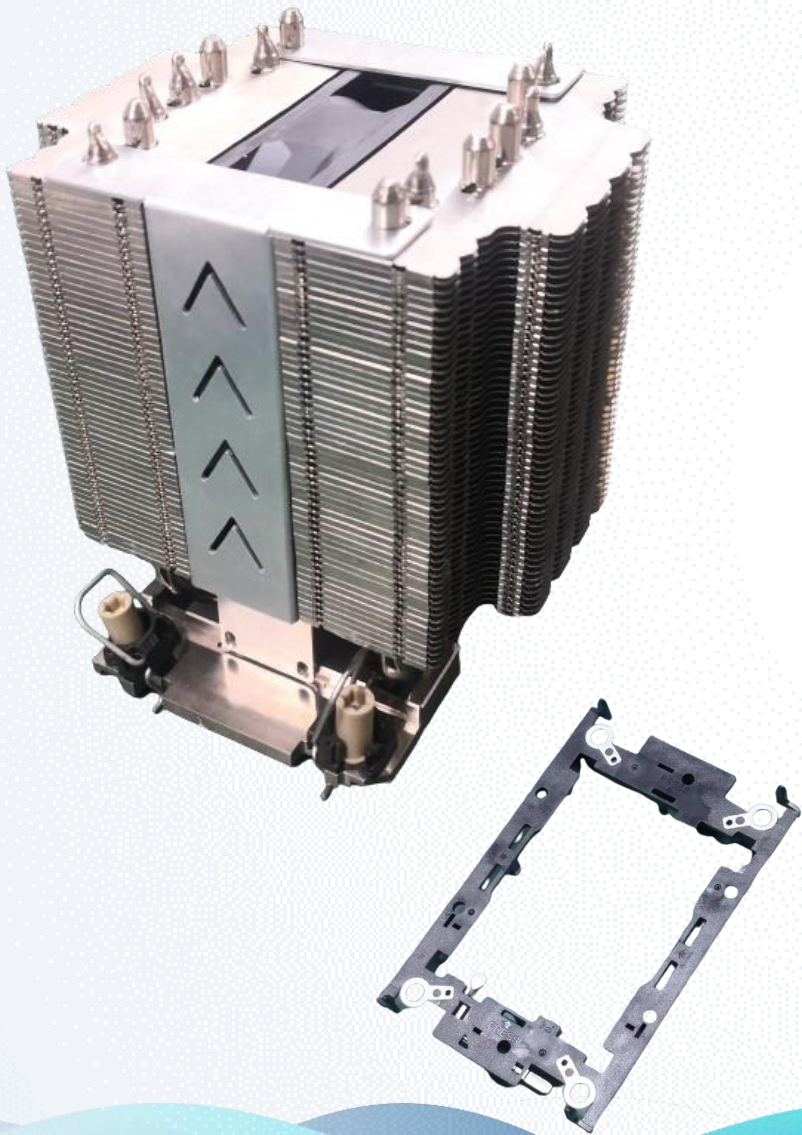


Model No	EA7491
Features	<p>Six high-efficiency U-shaped heat pipes with pure copper plate welded to the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 300W</b></p> <p>Product weight: 773g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 6 high-efficiency heat pipes</p> <p>Product size: 116.7x92.5x125mm</p> <p>Fan speed: PWM1300-3500 rpm</p> <p>Noise: 21-45dB</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>



# Intel LGA 4677

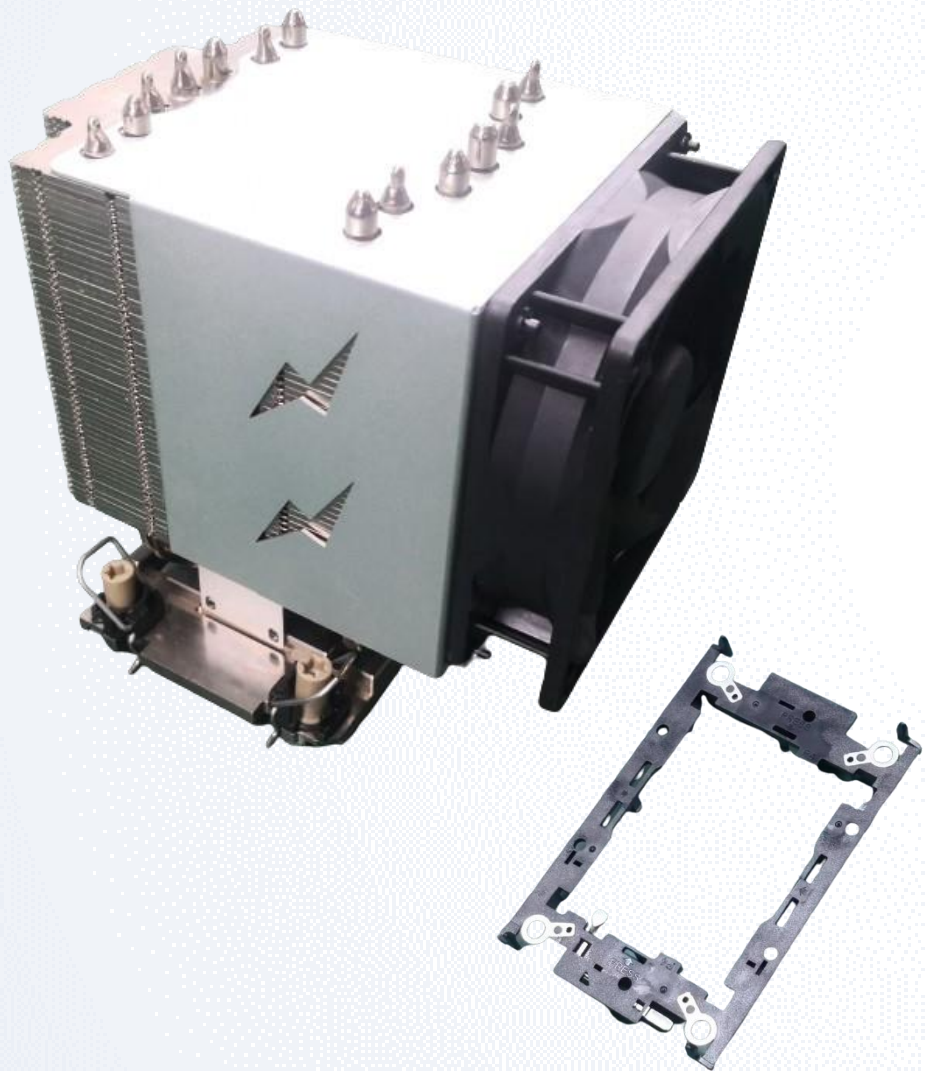
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Model No	EA7492
Features:	Seven high-performance U-shaped heat pipes, soldered with pure copper plates at the bottom; Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area; Temperature-controlled 2Ball bearing Fan, stable performance and long life; Intel special screw installation, convenient, stable and reliable; <b>Applied to 4U active solutions.</b>
Technical parameters	Applicable power consumption: <b>TDP 350W</b> Product weight: 790g Heat dissipator: copper bottom + aluminum FIN + 6 high-efficiency heat pipes Product size: 118x118x135mm Fan speed: PWM1300-3500 rpm Noise: 21-45dB Thermal paste: 7762 Accessories: CPU protective plastic bracket (optional)

# Intel LGA 4677

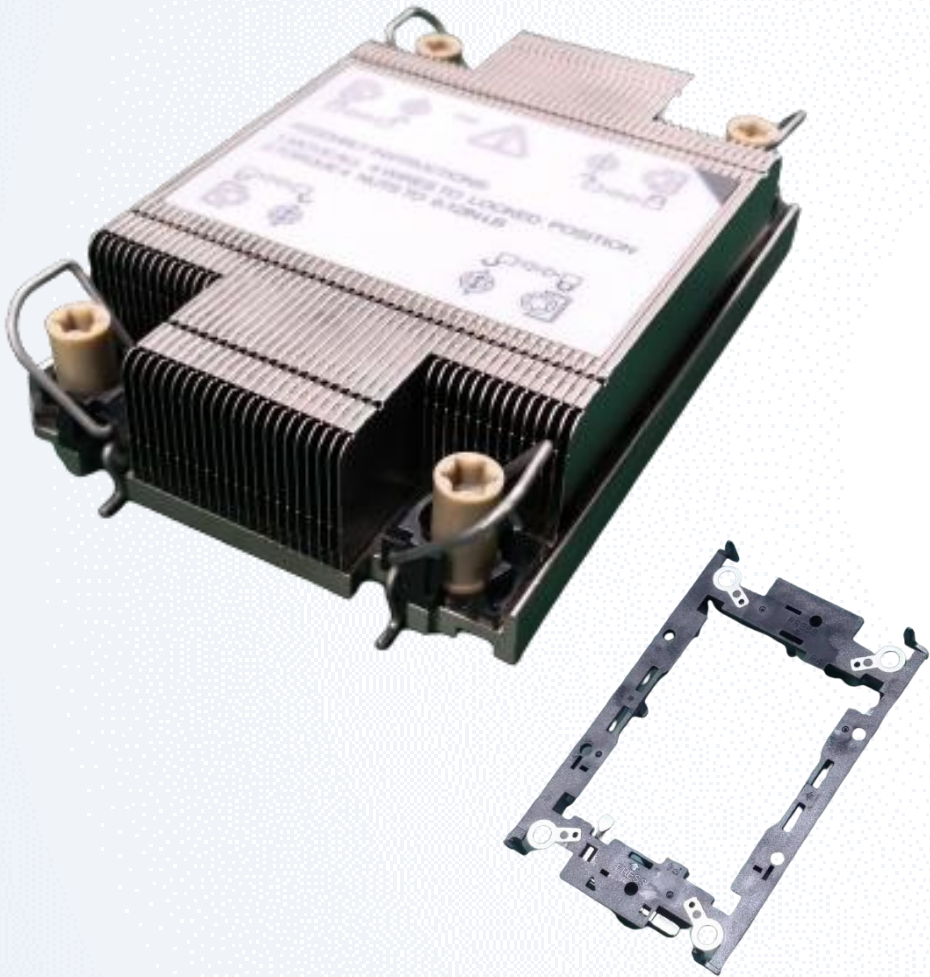
ThermalBro



Model No	EA7493
Features	<p>7 high-efficiency U-shaped heat pipes, soldered with pure copper plate at the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, High density, increase heat dissipation area;</p> <p>Adopt dual temperature control ball and double fan, stable performance and long life;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 350W</b></p> <p>Product weight: 925g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 6 high-efficiency heat pipes</p> <p>Product size: 118x143x135mm</p> <p>Fan speed: PWM1300-3500 rpm</p> <p>Noise: 21-45dB</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>



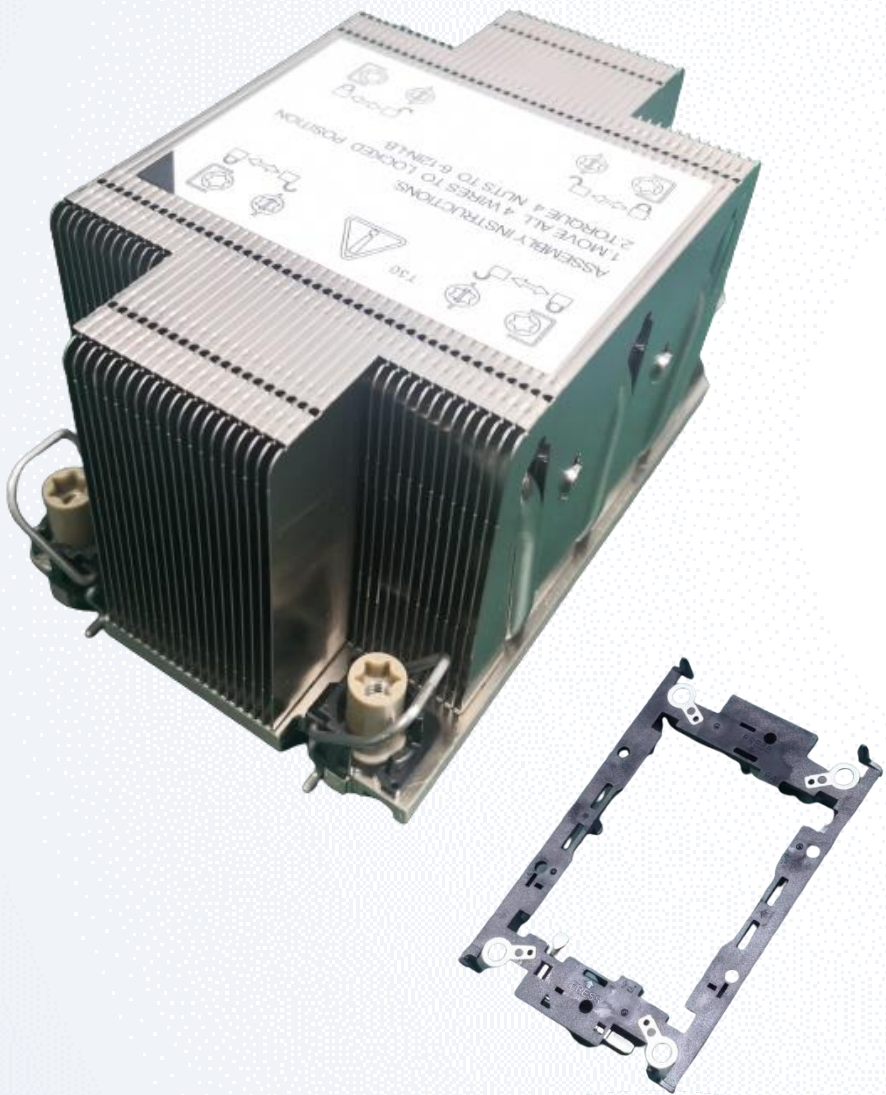
# Intel LGA 4189



Model No	EA7170
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 1U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP205W</b> (requires the cooperation of the air duct of the chassis system)</p> <p>Heat dissipator: copper bottom + aluminum FIN</p> <p>Product size: 113x78x25.3mm</p> <p>Product weight: 234g</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

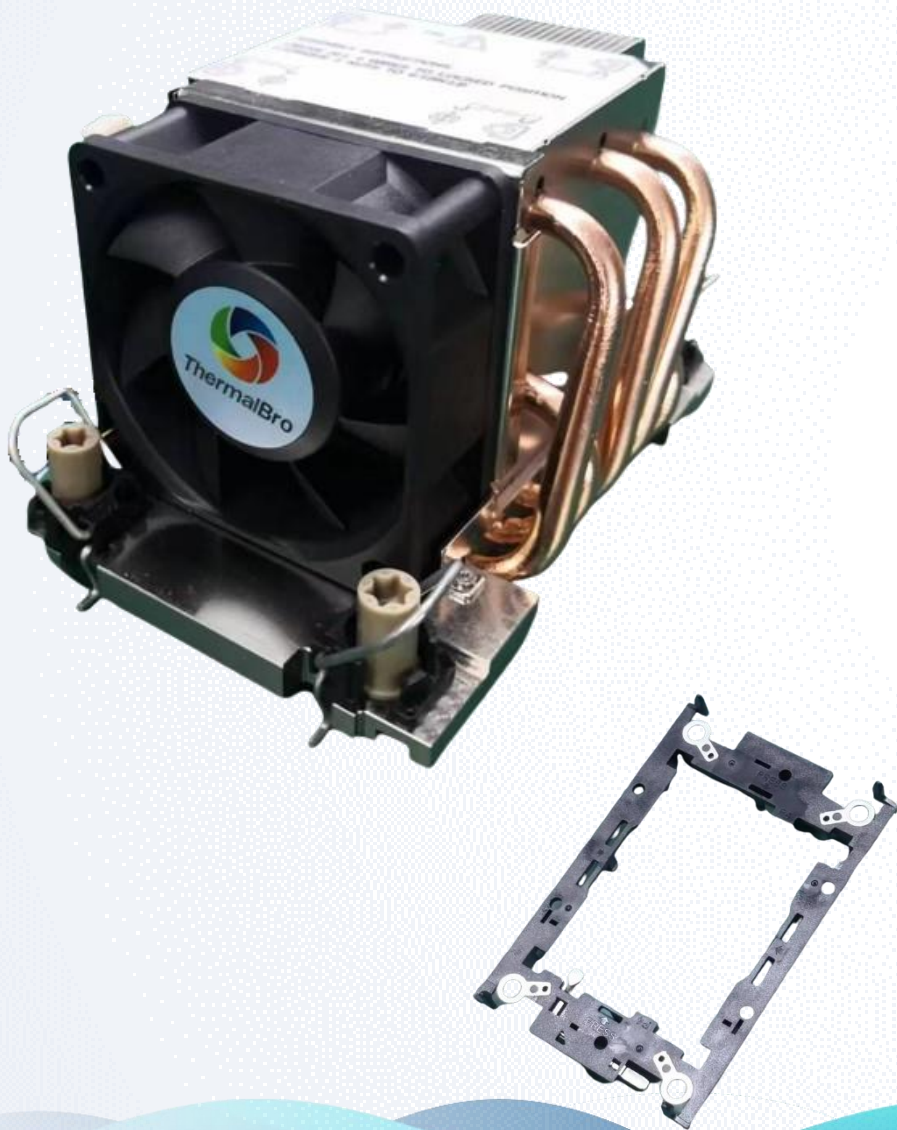
# Intel LGA 4189

ThermalBro



Model No	EA7270
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>5 heat pipes are added to the copper base plate to improve the thermal conductivity efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the Heat dissipation area;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP280W</b> (with the cooperation of the air duct of the chassis system)</p> <p>Heat dissipator: copper bottom + aluminum FIN + 5 high-efficiency heat pipes</p> <p>Product size: 113x78x64.3mm</p> <p>Product weight: 401g</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 4189



Model No	EA7271
Features	<p>Five high-efficiency U-shaped heat pipes, with direct contact of high-efficiency heat pipes at the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 280W</b></p> <p>Product weight: 510g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 5 high-efficiency heat pipes</p> <p>Product size: 113x80x66.3mm</p> <p>Fan speed: PWM1500-9300 rpm</p> <p>Noise: 54dBA</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

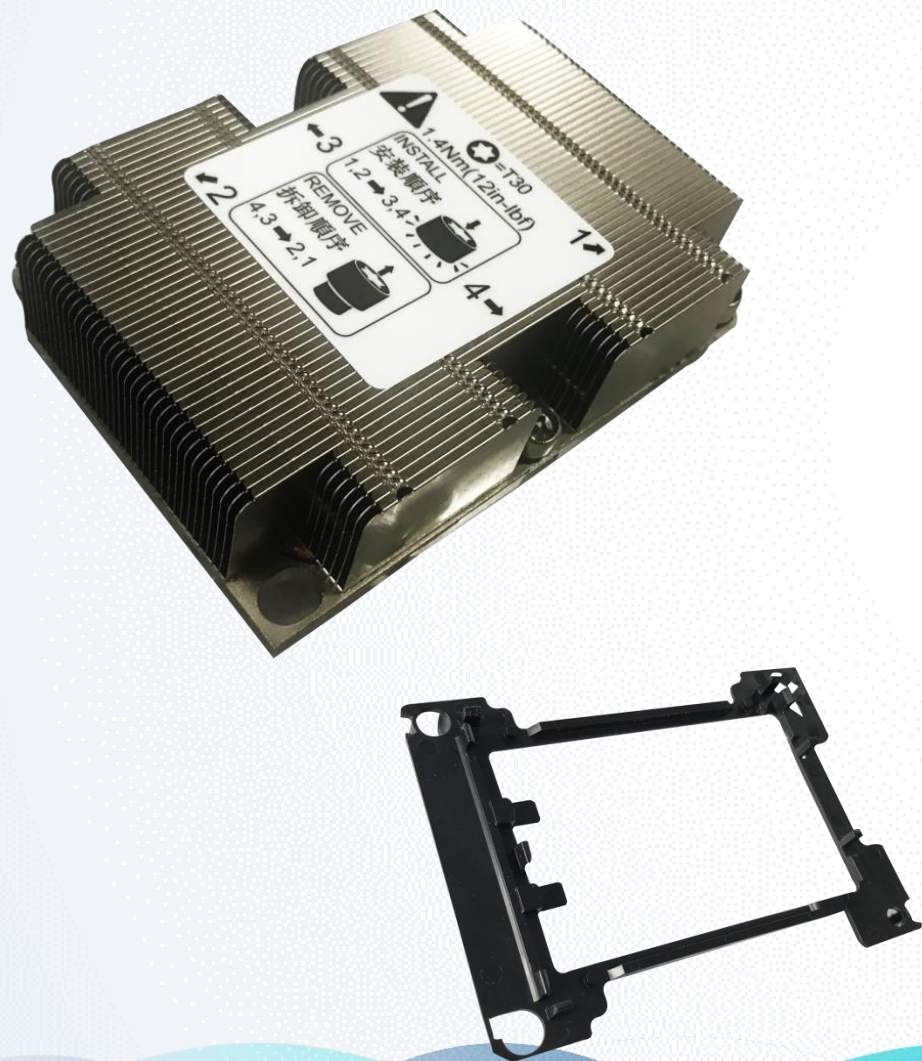


# Intel LGA 4189



Model No	EA7471
Features	<p>Six high-efficiency U-shaped heat pipes with pure copper plate welded to the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Intel special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 280W</b></p> <p>Product weight: 767g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 6 high-efficiency heat pipes</p> <p>Product size: 116.7x92.5x125mm</p> <p>Fan speed: PWM1300-3500 rpm</p> <p>Noise: 21-45dB</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

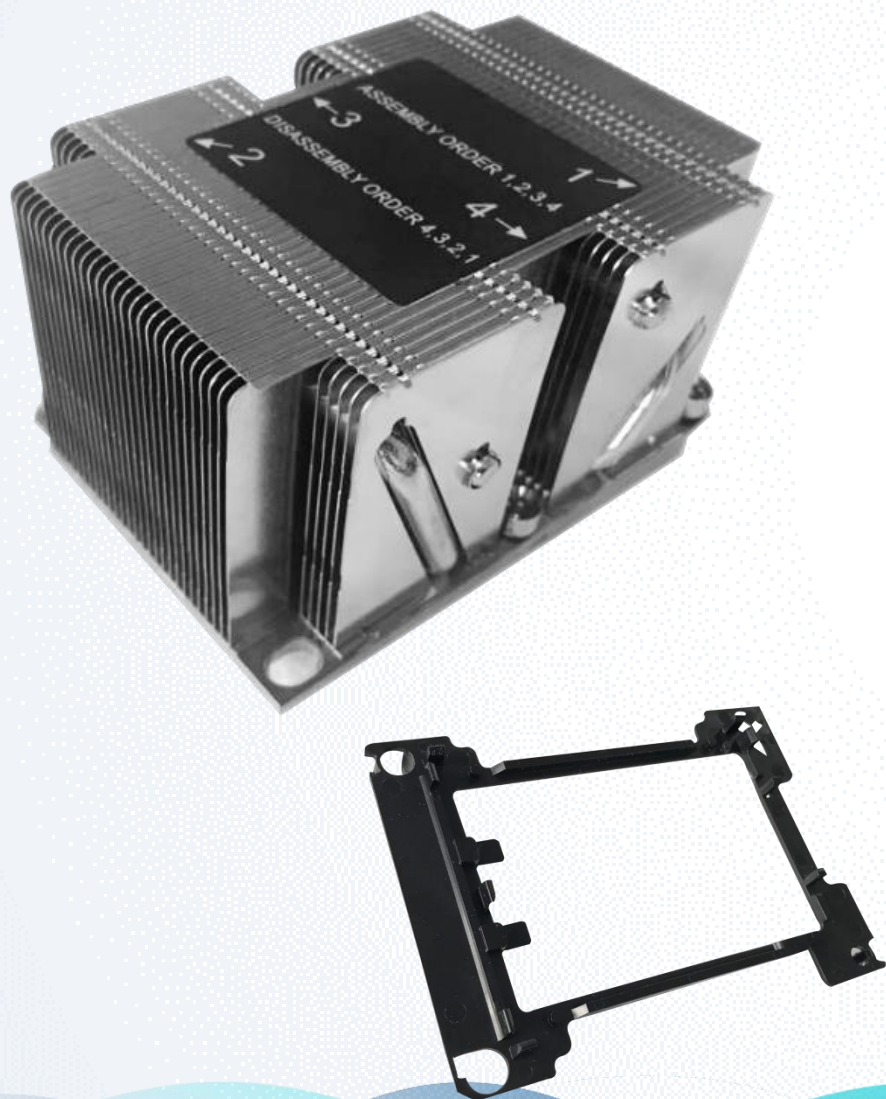
# Intel LGA 3647



Model No	EA7150
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 1U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP145W</b> (with the cooperation of the air duct of the chassis system)</p> <p>Heat dissipator: copper bottom + aluminum FIN</p> <p>Product size: 108x78x26.0mm</p> <p>Product weight: 360g</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 3647

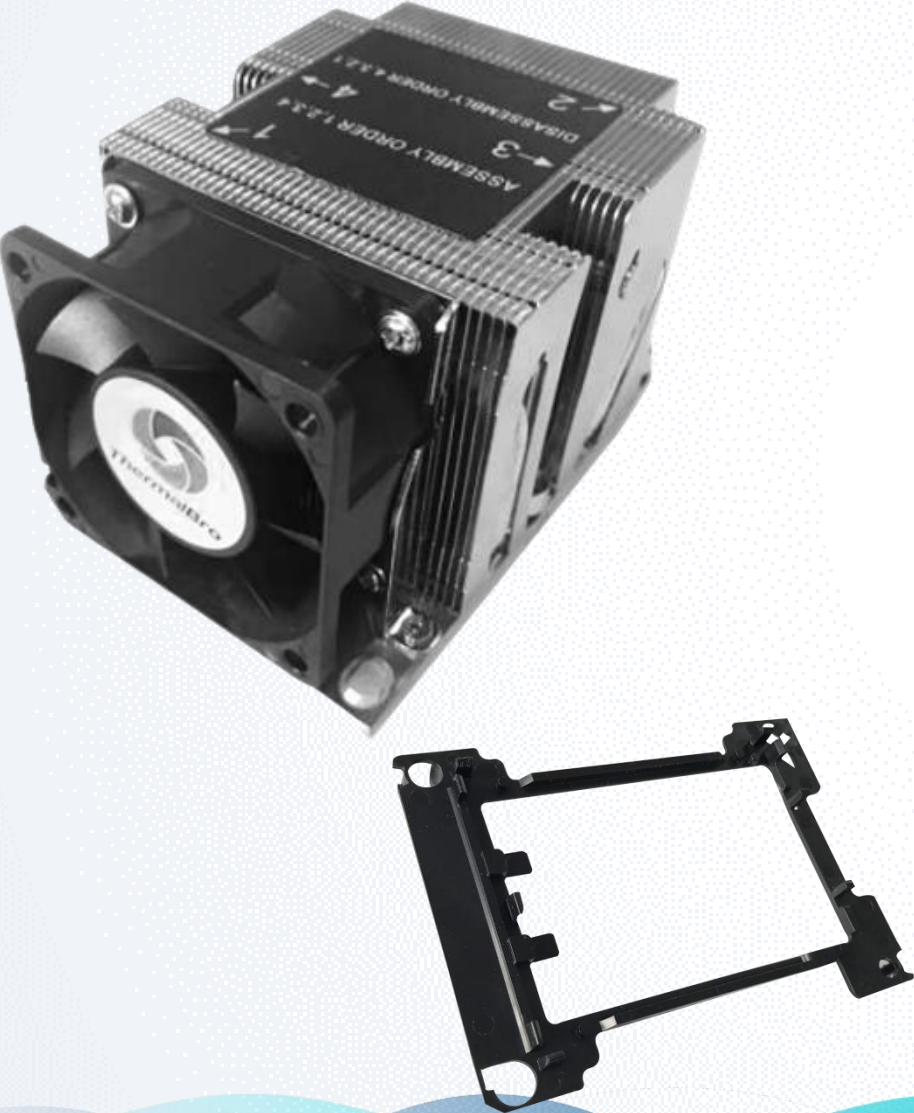
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Model No	EA7250
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>The copper base plate is equipped with 4 heat pipes to improve The thermal conduction efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP205W</b> (requires the cooperation of the air duct of the chassis system)</p> <p>Heat dissipator: copper bottom + aluminum FIN + 4 high-efficiency heat pipes</p> <p>Product size: 108x78x64.0mm</p> <p>Product weight: 415g</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

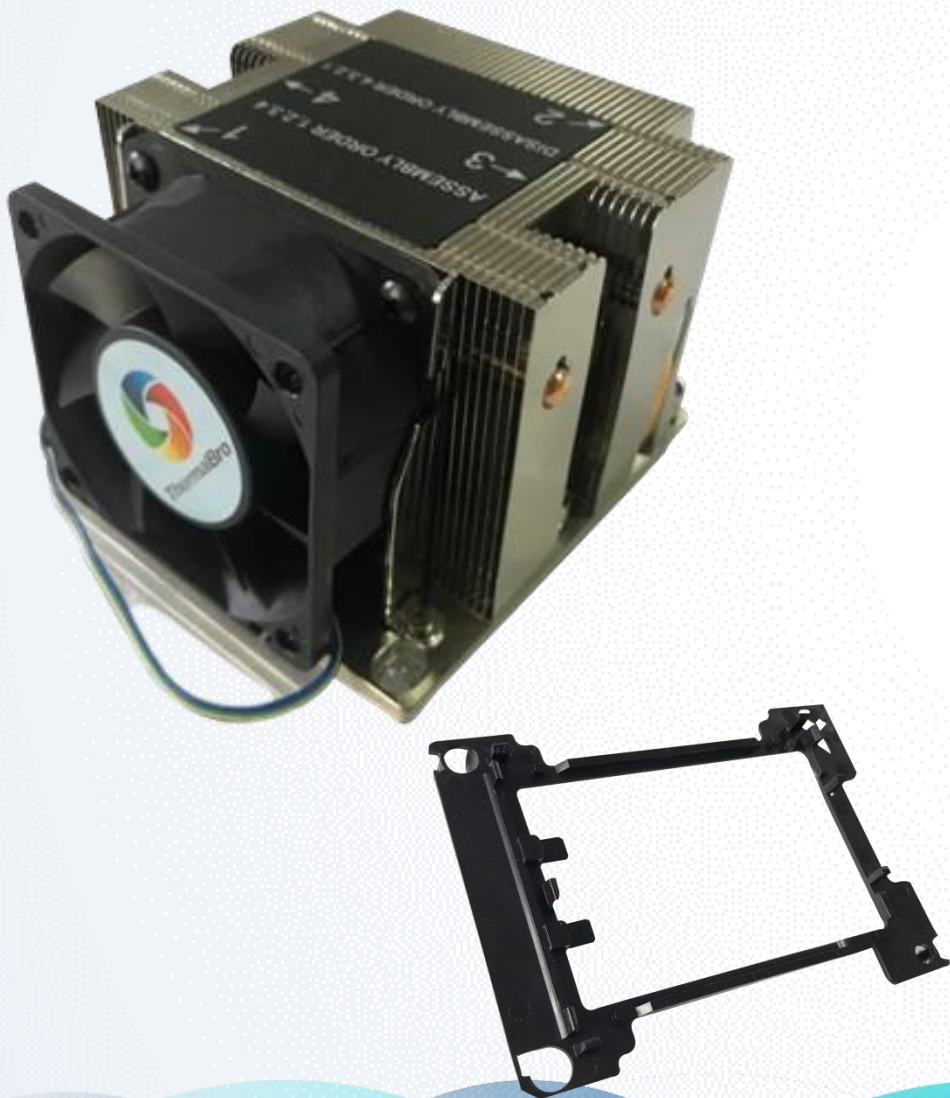


# Intel LGA 3647



Model No	EA7251
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>The copper base plate is equipped with 4 heat pipes to improve the thermal conduction efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 205W</b></p> <p>Product weight: 455g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 4 high-efficiency heat pipes</p> <p>Product size: 108x78x65mm</p> <p>Fan speed: PWM2500-6800 rpm</p> <p>Noise: 21-44dB</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 3647



Model No	EA7252
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>The copper base plate is equipped with 4 heat pipes to improve the thermal conduction efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 205W</b></p> <p>Product weight: 398g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 4 high-efficiency heat pipes</p> <p>Product size: 97x88x65mm</p> <p>Fan speed: PWM2500-6800 rpm</p> <p>Noise: 21-44dB</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 3647



Model No	EA7451
Features	<p>Four high-efficiency U-shaped heat pipes with pure copper plate welded to the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 205W</b></p> <p>Product weight: 565g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 4 high-efficiency heat pipes</p> <p>Product size: 118x92.5x128mm</p> <p>Fan speed: PWM1300-3500 rpm</p> <p>Noise: 23-43dB</p> <p>Thermal paste: 7762</p> <p>Accessories: CPU protective plastic bracket (optional)</p>



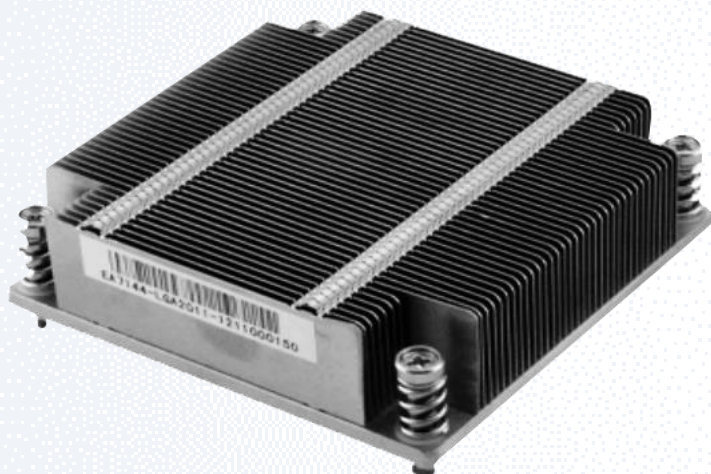
# Intel LGA 3647



Model No	EA7452
Features	<p>Precision stamping, heat pipe through FIN processing technology; 6 heat pipes are added to the copper base plate to improve the thermal conduction efficiency; High-density aluminum heat dissipation fins to increase the heat dissipation area; Temperature-controlled 2Ball bearing Fan, stable performance and long life; Special screw installation, convenient, stable and reliable; <b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 205W</b> Product weight: 820g Heat dissipator: copper bottom + aluminum FIN + 6 high-efficiency heat pipes Product size: 108x92x120mm Fan speed: PWM1300-3500 rpm Noise: 23-43dB Thermal paste: 7762 Accessories: CPU protective plastic bracket (optional)</p>

# Intel LGA 2011

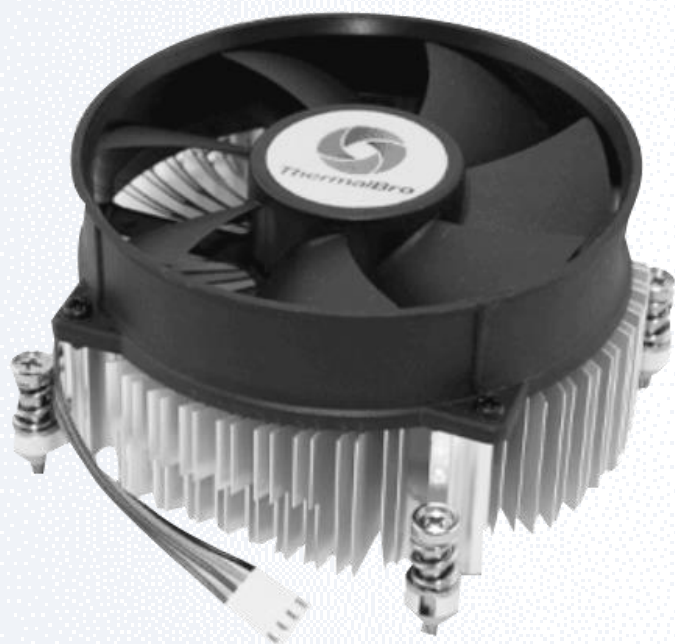
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Model No	EA7144
Features	<p>Precision stamping buckle FIN processing technology; High-density heat dissipation fins to increase the heat dissipation area ; Spring screw installation, convenient, stable and reliable; <b>Applied to 1U passive-style solutions.</b></p>
Technical parameters	<p>Scope of application: <b>TDP95W</b> (with the cooperation of the air duct of the chassis system) Heat dissipator: copper bottom + aluminum FIN Product size: 90x90x27mm Product weight: 237 g Thermal paste: 7762</p>

# Intel LGA 2011

ThermalBro

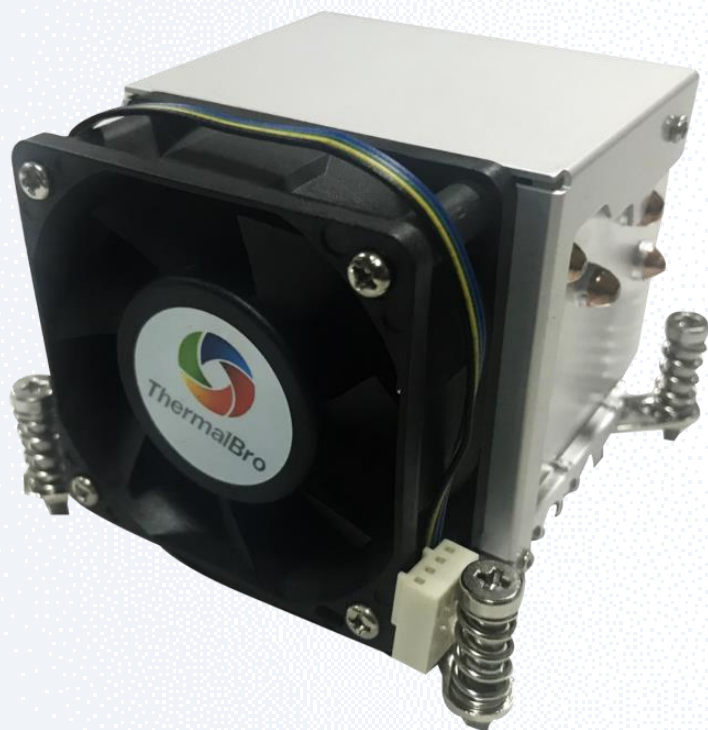


Model No	EA7241
Features	<p>Aluminum extrusion sunflower process is adopted; High-density heat dissipation fins to increase the heat dissipation area; Temperature-controlled 2Ball bearing Fan, stable performance; Spring screw installation, convenient, stable and reliable; <b>Applies to 2U active solutions</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 95W</b> Product weight: 350g Diffuser: high multiplier aluminum extrusion Product size: <math>\Phi 102.5 \times 61.5</math>mm Fan speed: PWM800-3500 rpm Noise: 21-44dB Attachment: 1g sachet of thermal paste</p>



# Intel LGA 2011

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Model No	EA7243
Features	<p>4 high-efficiency heat pipes in direct contact with the CPU; Adopt FIN wearing process, high-density aluminum FIN to increase the heat dissipation area; Temperature-controlled 2ball bearing fan, stable performance and long life; Spring screw installation, convenient, stable and reliable; <b>Applied to 2U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 130W</b> Product weight: 305g Heat dissipator: copper bottom + aluminum FIN + 4 high-efficiency heat pipes Product size: 90x90x65mm Fan speed: PWM2500-5500 rpm Noise: 21-44dB Thermal paste: 7762</p>

# Intel LGA 1700



Model No	EA7432
Features	<p>Five high-efficiency U-shaped heat pipes, with a pure copper base plate welded to the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density,</p> <p>Increase the heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Special spring screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 200W</b></p> <p>Product weight: 515g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 5 high-efficiency heat pipes</p> <p>Product size: 93x95x119mm</p> <p>Fan speed: PWM1300-3500 rpm</p> <p>Noise: 23-43dB</p> <p>Thermal paste: 7762</p>

# Intel LGA 2066

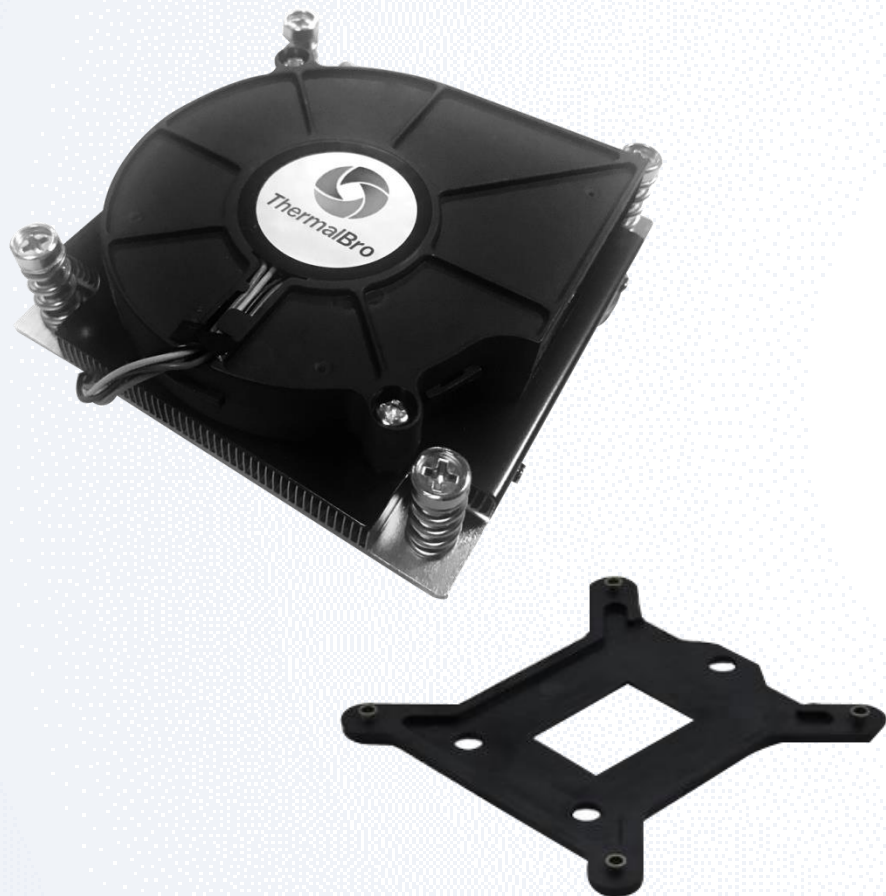


Model No	EA7442
Features	<p>Five high-efficiency U-shaped heat pipes, with a pure copper base plate welded to the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density,</p> <p>Increase the heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Special spring screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 200W</b></p> <p>Product weight: 515g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 5 high-efficiency heat pipes</p> <p>Product size: 93x95x119mm</p> <p>Fan speed: PWM1300-3500 rpm</p> <p>Noise: 23-43dB</p> <p>Thermal paste: 7762</p>



# Intel LGA 1150/1151/1200

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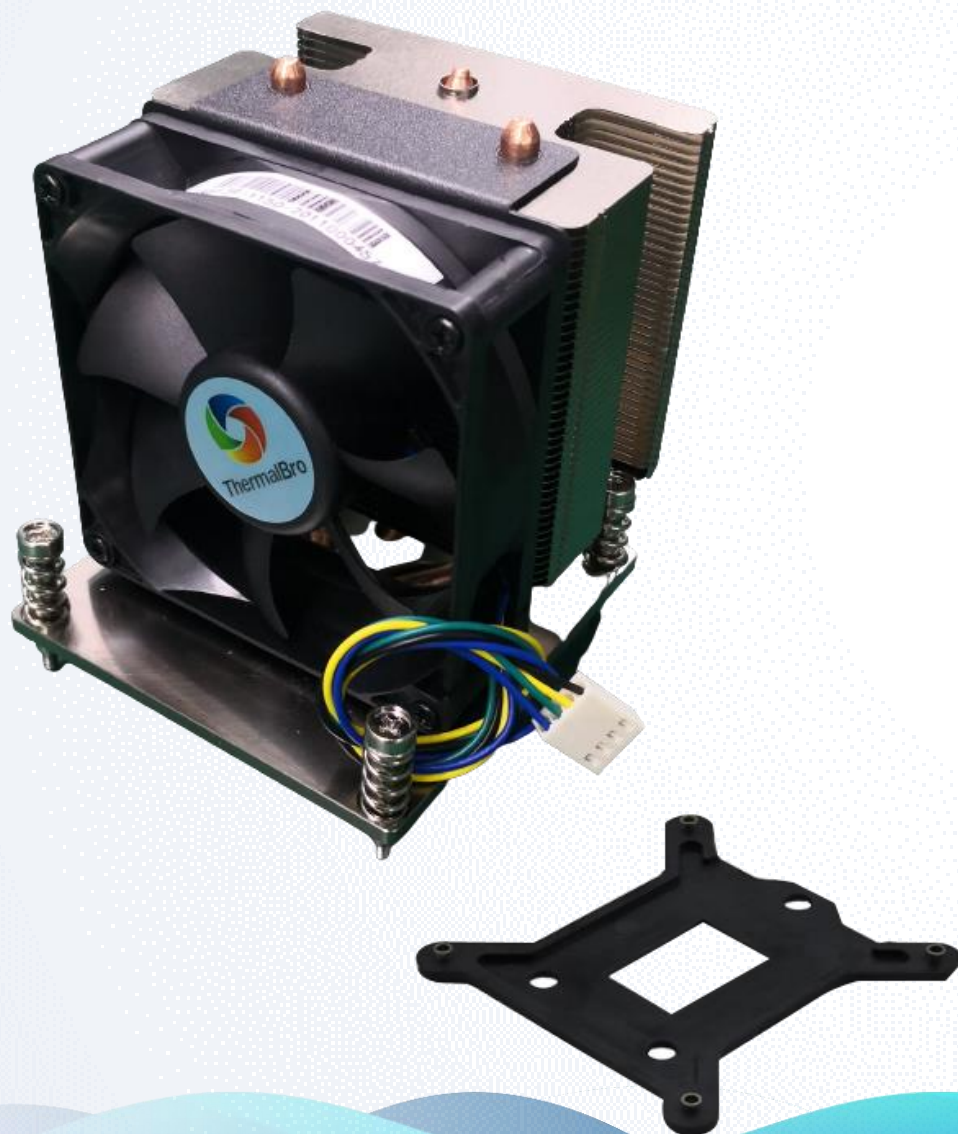


Model No	EA7121
Features	<p>All-copper integrated shovel FIN processing technology to improve thermal conductivity efficiency;</p> <p>High-density heat dissipation fins to increase the heat dissipation area;</p> <p>Temperature-controlled ball turbine fan, stable performance and long life;</p> <p>Spring screw installation, convenient, stable and reliable;</p> <p><b>Applied to 1U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 95W</b></p> <p>Product weight: 406g</p> <p>Heat dissipator: Pure copper material (Cu1100)</p> <p>Product size: 90x88.3x27mm</p> <p>Fan speed: PWM2000-5500 rpm</p> <p>Noise: 23-43dB</p> <p>Accessories: 1g bag of thermal paste + 1 plastic backplate</p>

# Intel LGA 1150/1151/1200

ThermalBro

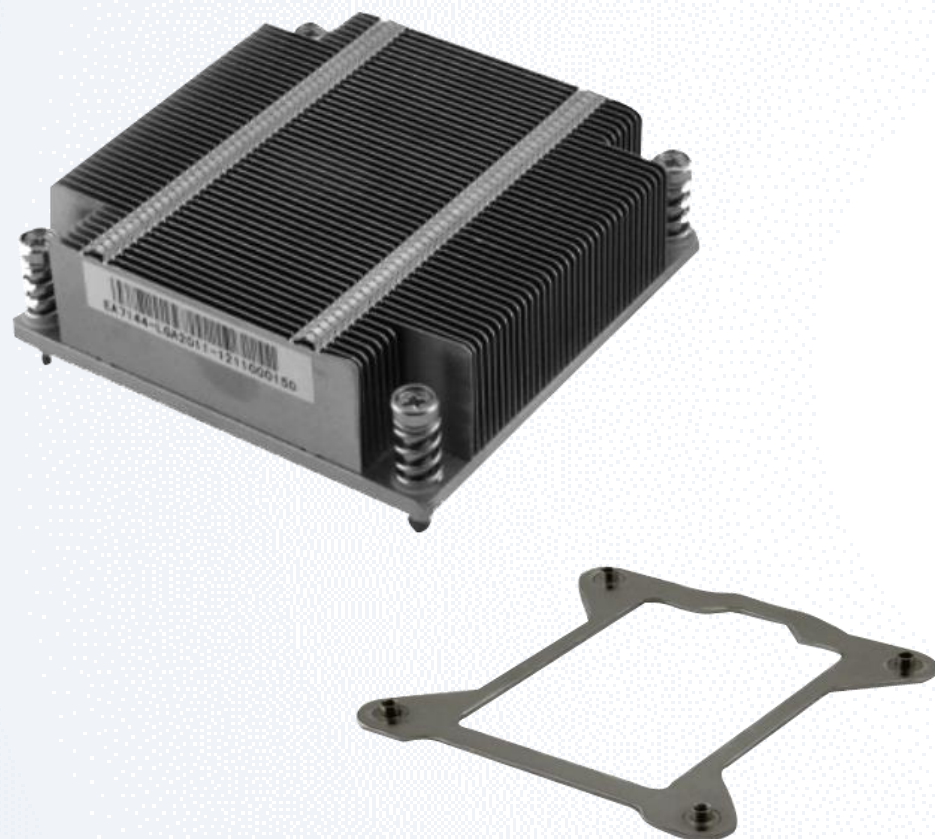
EVERFLOW  
MOTOR YOUR LIFE



Model No	EA6139
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>3 heat pipes are added to the copper base plate to improve the thermal conductivity efficiency;</p> <p>High-density heat dissipation fins to increase the heat Dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 3U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 95W</b></p> <p>Product weight: 450g</p> <p>Heat dissipator: copper bottom + aluminum FIN+3 heat pipe</p> <p>Product size: 94.5x85x94mm</p> <p>Fan speed: PWM2000-4000 rpm</p> <p>Noise: 22-35.5dB</p> <p>Accessories: 1g bag of thermal paste + 1 plastic backplate</p>

# Intel LGA 1150/1151/1156

ThermalBro

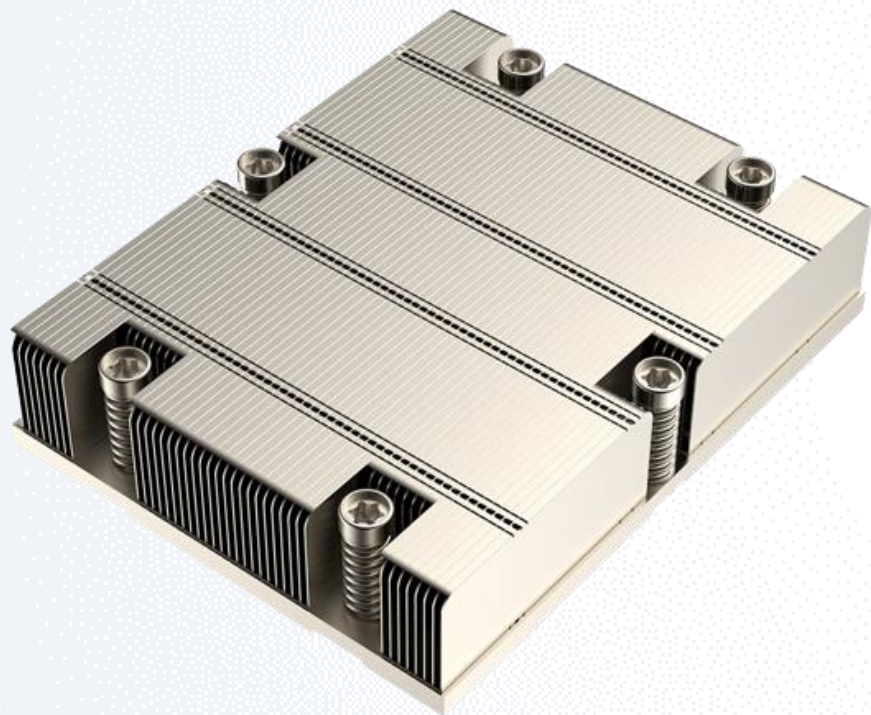


Model No	EA7127
Features	<p>Precision stamping buckle FIN processing technology; High-density heat dissipation fins to increase the heat Dissipation area; Spring screw installation, convenient, stable and reliable; <b>Applied to 1U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 95W</b> (with the cooperation of the air duct of the chassis system) Product weight: 237g Heat dissipator: copper bottom + aluminum FIN Product size: 90x90x26mm Accessories: 1g bag of thermal paste + 1 plastic backplate</p>



# AMD SP5

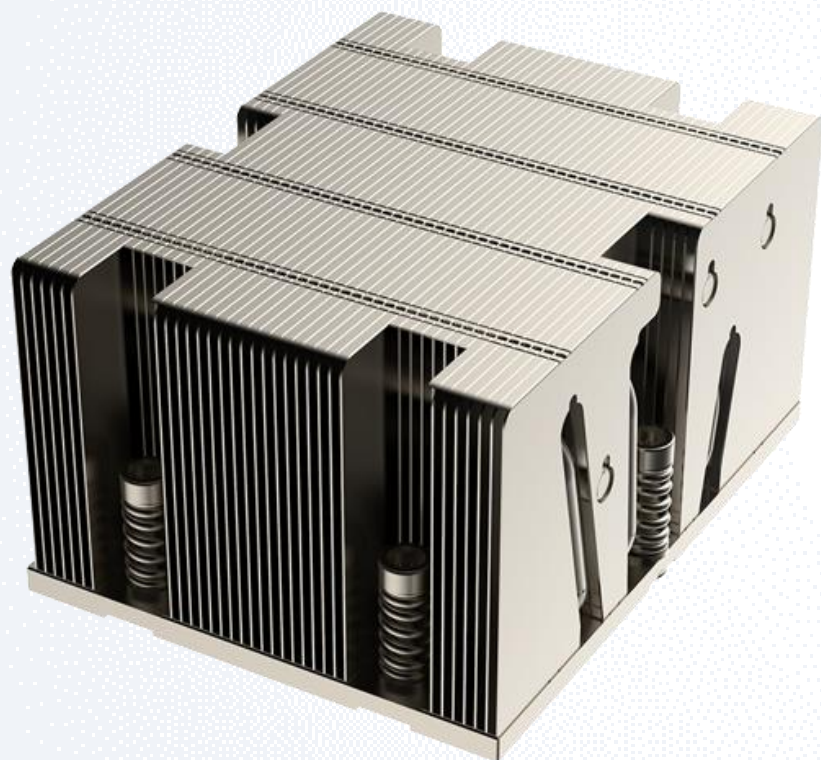
ThermalBro



Model No	EA71A0
Features	<p>Precision stamping buckle FIN processing technology; High-density aluminum heat dissipation fins to increase the heat dissipation area; AMD's special screw installation is convenient, stable and reliable; <b>Applied to 1U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP260W</b> (requires the cooperation of the air duct of the chassis system) Product weight: 315g Heat dissipator: copper bottom + aluminum FIN Product size: 118x92.4x25.0mm Thermal paste: 7762</p>

# AMD SP5

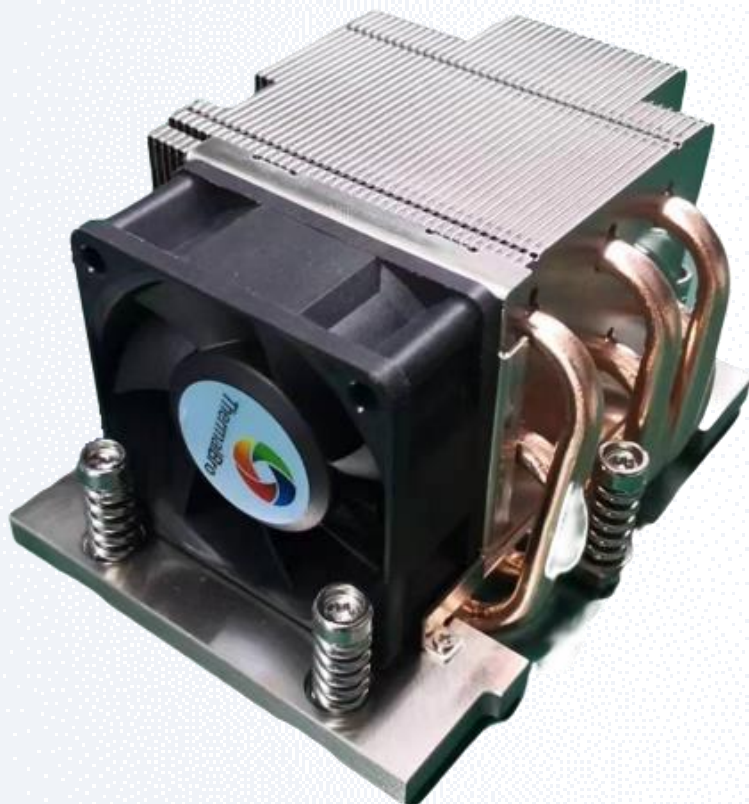
ThermalBro



Model No	EA72A0
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>The copper base plate is welded with 6 heat pipes to improve the thermal conductivity efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>AMD's special screw installation is convenient, stable and reliable;</p> <p><b>Applied to 2U passive-style solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP320W</b> (with the cooperation of the air duct of the chassis system)</p> <p>Product weight: 547g</p> <p>Heat dissipator: copper bottom + aluminum FIN + 6 high-efficiency heat pipes</p> <p>Product size: 118x92.4x64.5mm</p> <p>Thermal paste: 7762</p>

# AMD SP5

ThermalBro



Model No	EA72A1
Features	<p>6 high-efficiency U-shaped heat pipes, soldered with pure copper plate at the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 2U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 320W</b></p> <p>Product weight: 548g</p> <p>Heat dissipator: copper bottom + aluminum FIN+6 heat pipe</p> <p>Product size: 118x92.5x64.5mm</p> <p>Fan speed: PWM1500-9300 rpm</p> <p>Noise: 54dBA</p> <p>Thermal paste: 7762</p>



# AMD SP5

ThermalBro



Model No	EA74A1
Features	<p>Six high-efficiency U-shaped heat pipes with pure copper plate welded to the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 350W</b></p> <p>Product weight: 830g</p> <p>Heat dissipator: copper bottom + aluminum FIN+6 heat pipe</p> <p>Product size: 118x92.4x125.5mm</p> <p>Fan speed: PWM1500-4500 rpm</p> <p>Noise: 22-48.5dB</p> <p>Thermal paste: 7762</p>

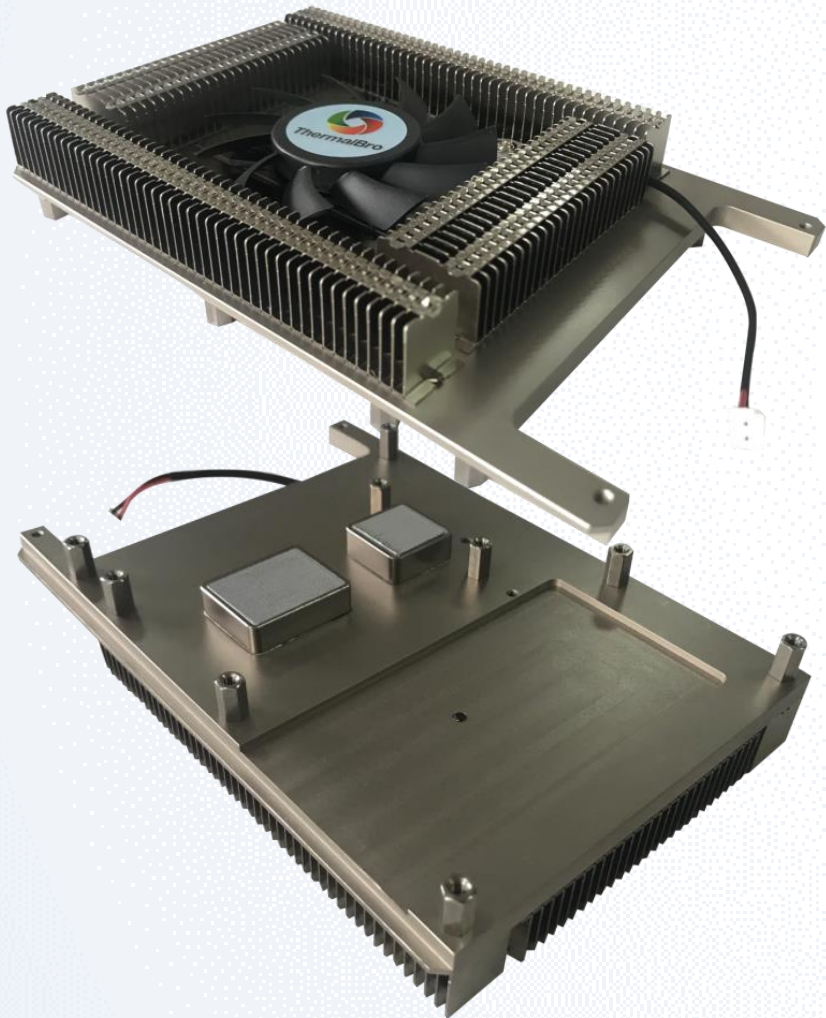
# AMD SP6

ThermalBro



Model No	EA74B1
Features	<p>Six high-efficiency U-shaped heat pipes with pure copper plate welded to the bottom;</p> <p>Adopt precision stamping buckle FIN processing technology, high density, increase heat dissipation area;</p> <p>Temperature-controlled 2Ball bearing Fan, stable performance and long life;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p><b>Applied to 4U active solutions.</b></p>
Technical parameters	<p>Applicable power consumption: <b>TDP 350W</b></p> <p>Product weight: 774g</p> <p>Heat dissipator: copper bottom + aluminum FIN+6 heat pipe</p> <p>Product size: 118.2x92.5x125.4mm</p> <p>Fan speed: PWM1500-4500 rpm</p> <p>Noise: 22-48.5dB</p> <p>Thermal paste: 7762</p>

# Cooler



Model No	Custom Cooler
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p>Active solutions for professional boards.</p>
Technical parameters	<p>Applicable power consumption: customer-owned board chip <b>(TDP 65W)</b></p> <p>Heat dissipator: aluminum plate + aluminum FIN</p> <p>Material: AL6063+AL1050</p> <p>Product weight: 510g</p> <p>Product size: 118x80x66.3mm</p> <p>Service life: &gt;70000h</p>

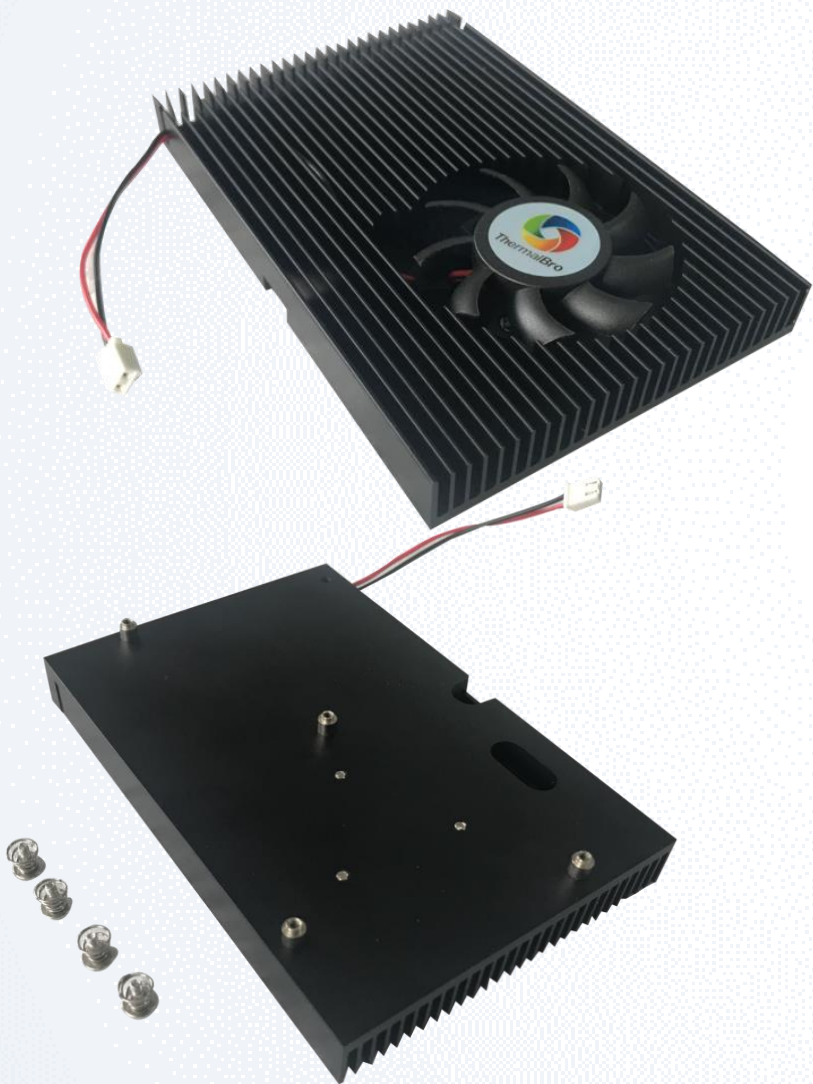


# Cooler



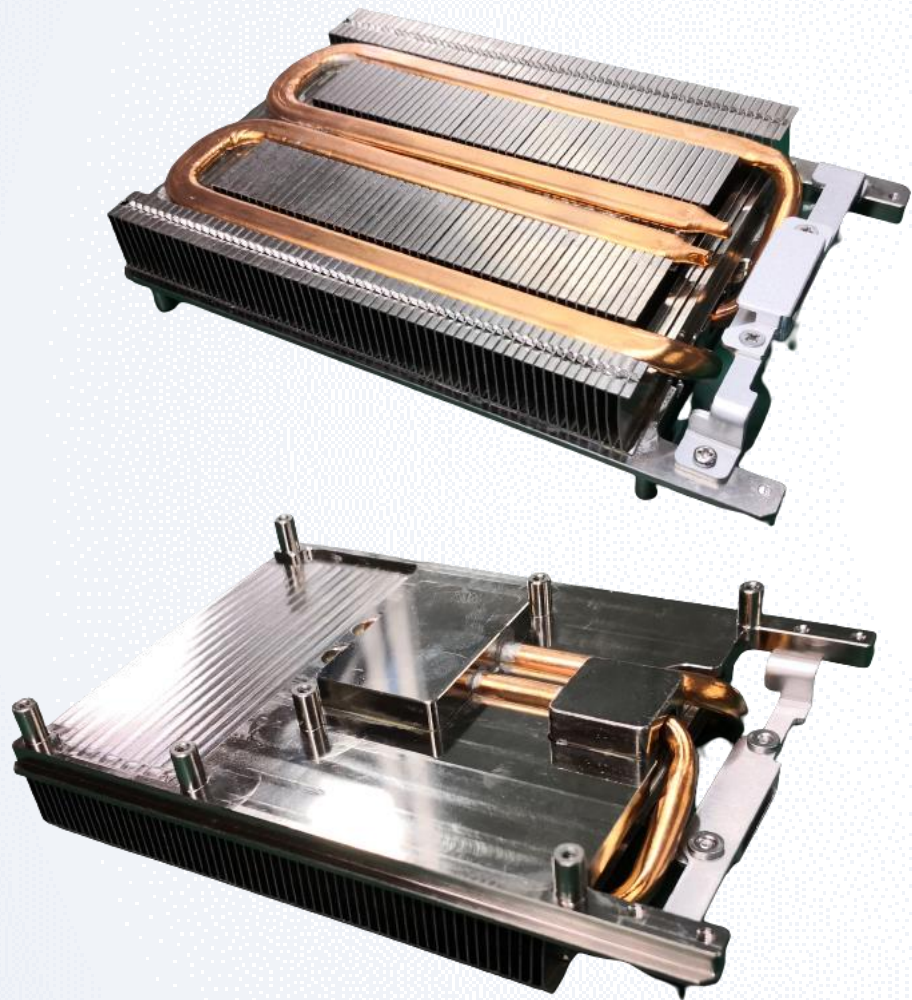
Model No	Custom Cooler
Features	<p>Aluminum extrusion processing technology is adopted;</p> <p>The surface anode is black, and the heat dissipation performance is stable;</p> <p>Spring screw installation, easy and reliable installation;</p> <p>It is used in low-power board chip cooling solutions.</p>
Technical parameters	<p>Scope of application: Customer-owned board chip <b>(TDP 35W)</b></p> <p>Heat dissipator: Aluminum extruded AL6063 machined anode black</p> <p>Product size: 73x54x25.5mm</p> <p>Weight: 70g Service life: more than 50000 hours</p>

# Cooler



Model No	Custom Cooler
Features	<p>Aluminum extrusion processing technology is adopted;</p> <p>The surface anode is black, and the heat dissipation performance is stable;</p> <p>Spring screw installation, easy and reliable installation;</p> <p>It is used in low-power board chip cooling solutions.</p>
Technical parameters	<p>Scope of application: Customer's own board chip <b>(TDP 45W)</b></p> <p>Dissipator: Aluminum extruded AL6063 machined anode black</p> <p>Product size: 115x78x12.5mm</p> <p>Weight: 132g Service life: more than 50000 hours</p> <p>Accessories: T725 thermally conductive adhesive spring screws are pasted on the bottom surface</p>

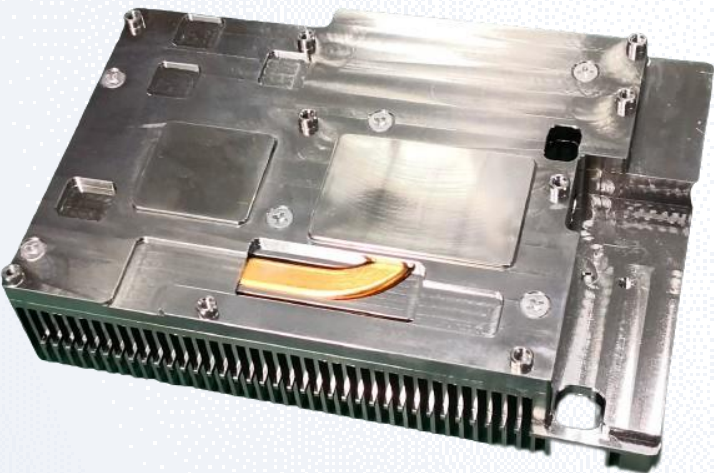
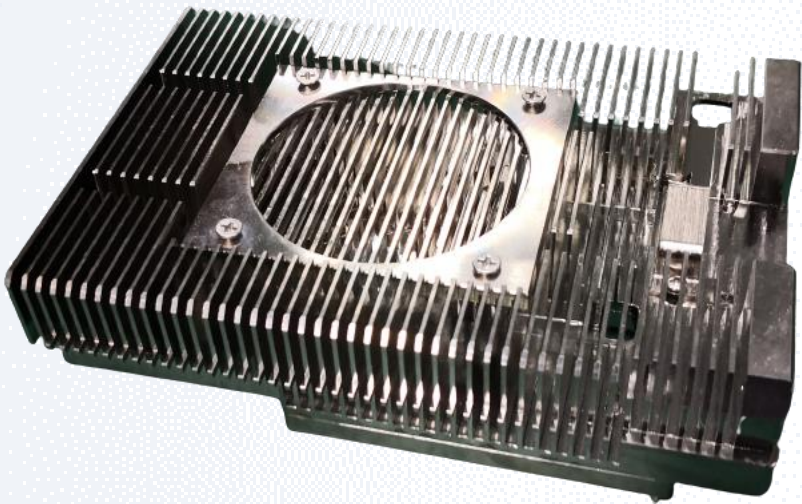
# Heatsink



Model No	Custom Cooler
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>The copper base plate is equipped with a high-efficiency heat pipe to improve the thermal conductivity efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p>It is used as a passive-based solution for professional boards.</p>
Technical parameters	<p>Applicable power consumption: customer's own board chip</p> <p>Product weight: 419g</p> <p>Heat dissipator: aluminum plate + aluminum FIN+ heat pipe</p> <p>Material: AL6063+AL1050+CU1020</p> <p>Product size: 145x104x29mm</p>



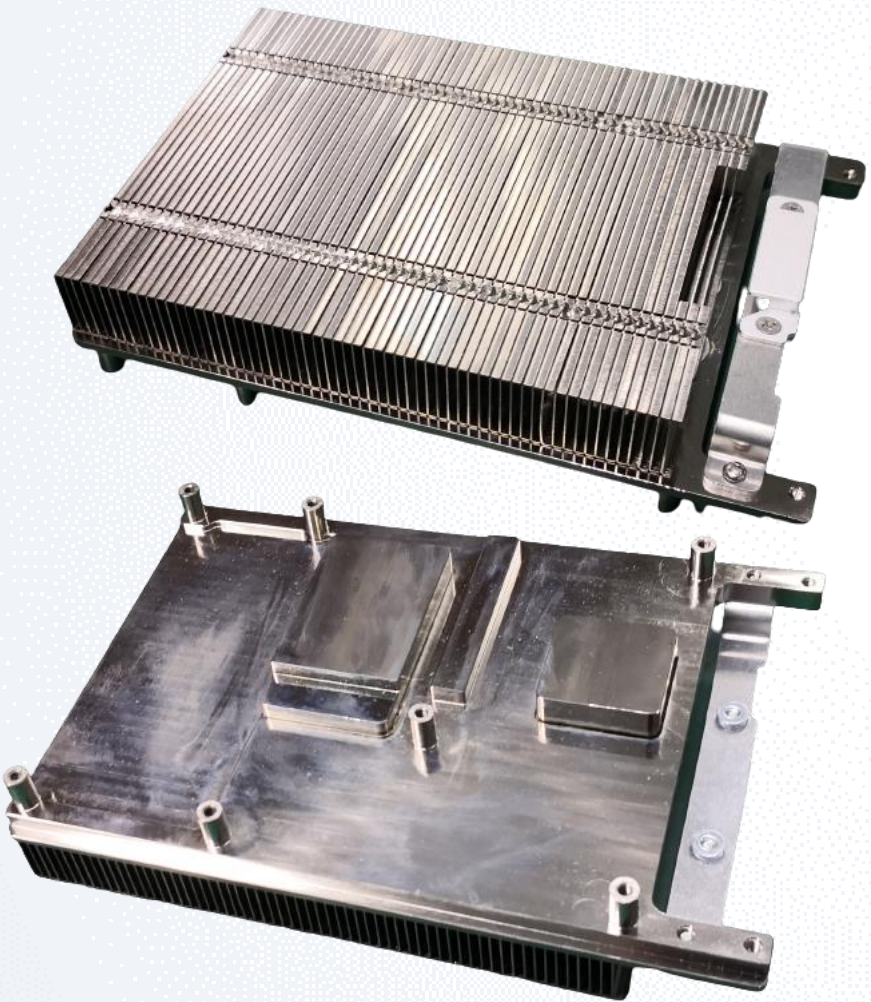
# Heatsink



Model No	Custom Cooler
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>The copper base plate is equipped with a high-efficiency heat pipe to improve the thermal conductivity efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p>It is used as a passive-based solution for professional boards.</p>
Technical parameters	<p>Applicable power consumption: customer's own board chip</p> <p>Product weight: 556g</p> <p>Heat dissipator: aluminum plate + aluminum FIN+ heat pipe</p> <p>Material: AL6063+AL1050+CU1020</p> <p>Product size: 139x109.5x34mm</p>

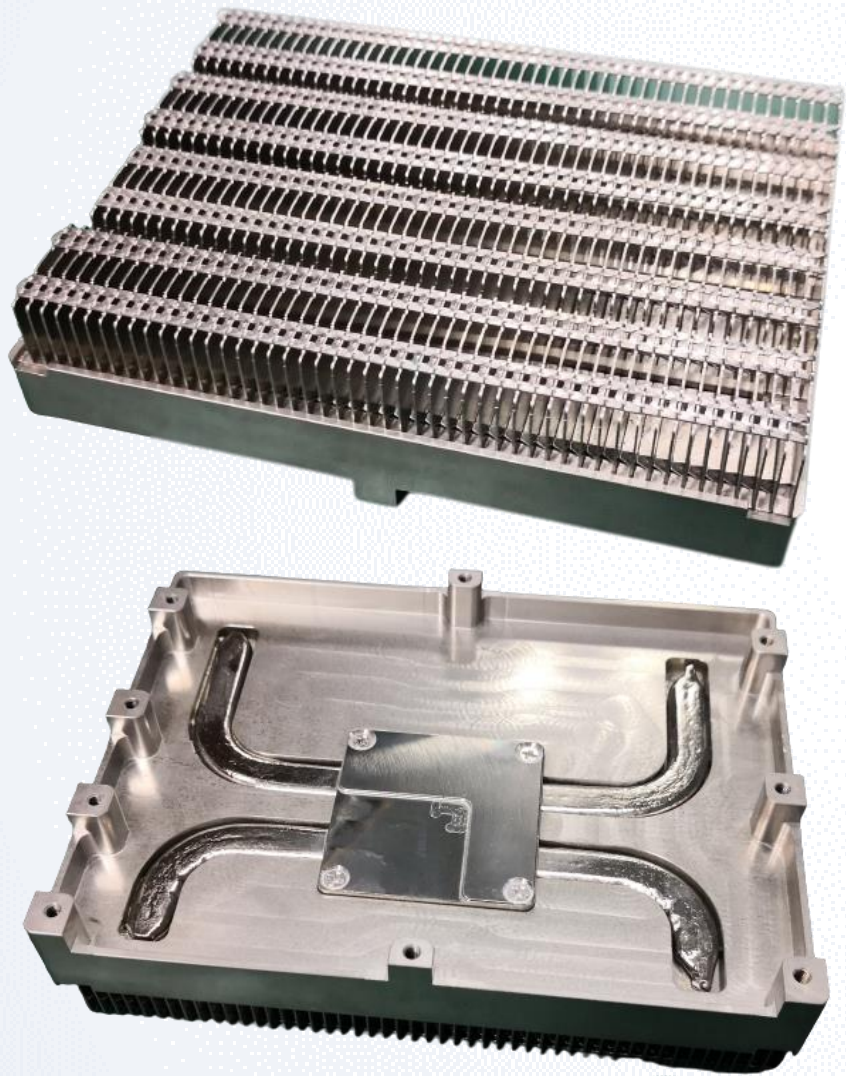


# Heatsink



Model No	Custom Cooler
Features	<p>Precision stamping buckle FIN processing technology;</p> <p>The copper base plate is equipped with a high-efficiency heat pipe to improve the thermal conductivity efficiency;</p> <p>High-density aluminum heat dissipation fins to increase the heat dissipation area;</p> <p>Special screw installation, convenient, stable and reliable;</p> <p>It is used as a passive-based solution for professional boards.</p>
Technical parameters	<p>Applicable power consumption: customer's own board chip</p> <p>Product weight: 433g</p> <p>Heat dissipator: aluminum plate + aluminum FIN+ heat pipe</p> <p>Material: AL6063+AL1050+CU1020</p> <p>Product size: 145x104x29mm</p>

# Heatsink



## Model No

## Custom Cooler

### Features

Precision stamping buckle FIN processing technology;  
The copper base plate is equipped with a high-efficiency heat pipe to improve the thermal conductivity efficiency;  
High-density aluminum heat dissipation fins to increase the heat dissipation area;  
Special screw installation, convenient, stable and reliable;  
It is used as a passive-based solution for professional boards.

### Technical parameters

Applicable power consumption: customer's own board chip  
Product weight: 276g  
Heat dissipator: aluminum plate + aluminum FIN+ heat pipe  
Material: AL6063+AL1050+CU1020  
Product size: 124.5x94x34.5mm



**Customization Orientation**

**Integrity、 Pragmatic**

## HQ in Taipei:

Everflow Technology Co., Ltd  
(5F., No.2, Ln.106, No. 102, Wugong 3rd Rd., Wugu Dist., New Taipei City, Taiwan(R.O.C))

## Factory in CH:

Everflow Precision Electronic (DongGuan) Co., LTD  
Dongguan HanShuo Plastic Co., Ltd  
(Gekeng Yanjiang Industrial Zone, Heng Li Town, Dong Guan City, Guang Dong, China)

## COMPANY PROFILE

### Everflow Technology Co., Ltd(Abbreviation: EF) :

Established in Dongguan in 1999, is a Taiwan-funded enterprise integrating R&D, production, sales and providing professional cooling fans and thermal modules. The products include cooling fans, thermal modules, and water-cooling systems etc. EF headquartered in Taipei, has numerous manufacturing locations in Dongguan and Xiamen, and has sales outlets and offices in North China, South China, and Southwest China; EF has passed ISO9001, ISO14001 and IATF16949 management system certification, and products are sold to international markets in Europe, America, Asia, etc.



# Product Portfolio

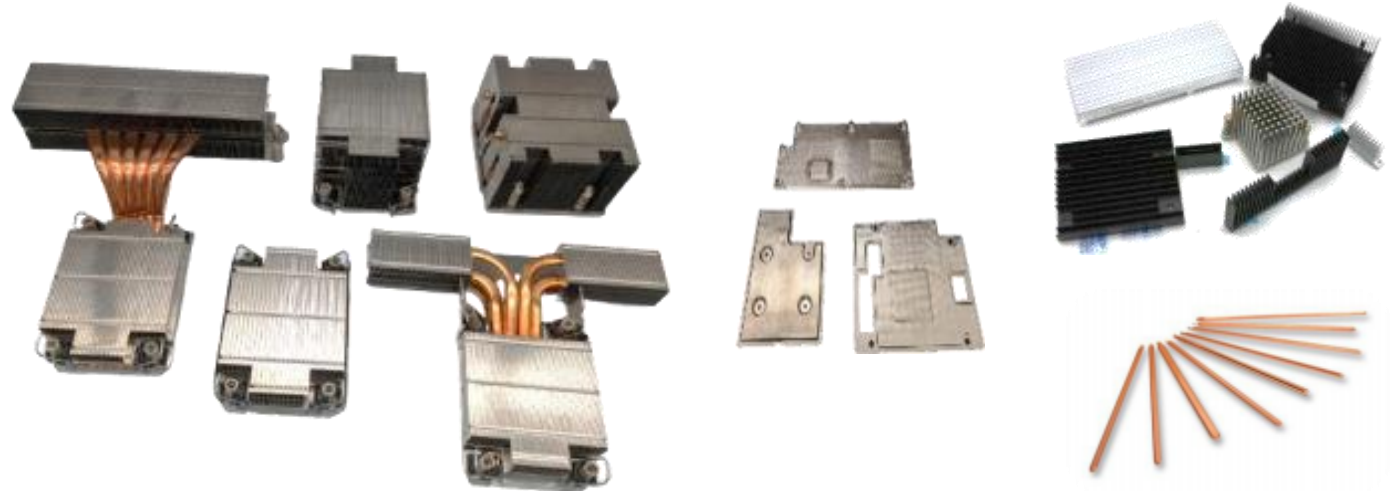
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## Heat Sinks

- Extrusion
- Die Casting
- Forging
- Stacked Fin
- Skived Fin

## Cooling Modules

- Heat Pipe Cooling Modules
- Vapor Chamber Cooling Modules
- Thermosiphon
- Cold Plate For Liquid Cooling



## Mechanical Parts

Stiffener/ Bolster / Back Plate



## Cosmetic Components

Various decorative panels / strips  
Media Player / Monitors shells  
Handles





## Air Cooling Popular Thermal Cooling Solution



**CPU**



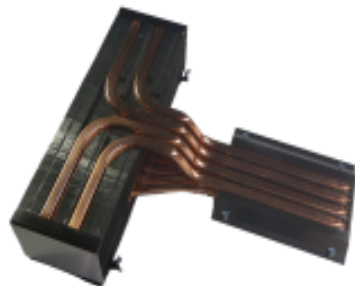
**GPU**



**Edge**



**Base Station**

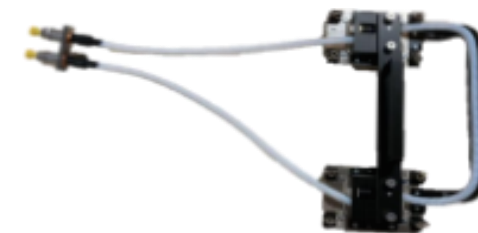


**Switch**

## Liquid Cooling Cold Plate Excellent Thermal Dissipation Solution



**CPU / GPU**



**Cold Plate Assembly  
For System Solution**



**DIMM / OCP**



**PSU / SSD**

# Technical Support

## ○ New material & technology development

- VC Lid study
- 3D VC solution study with VC+HP and VC+VC.
- Immersion Cooling solution study



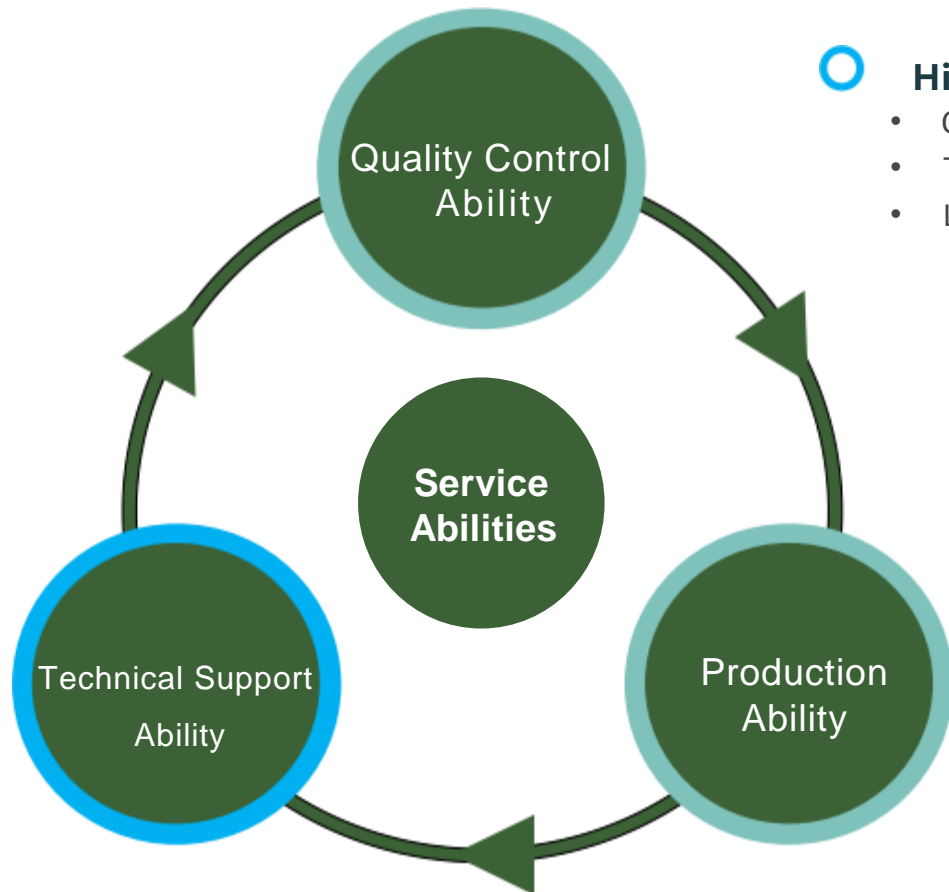
## ○ High power solution study

- Composite Design
- Thermosiphon
- Liquid Cooling

## ○ Cooling module design ability

- HP and VC fine tune ability
- Thermal module design and simulation ability

Heat pipe			Vapor Chamber
D4/D5/D6/D8/D10	Diameter (mm)	Length (mm)	380
60~600	Length (mm)	Width (mm)	380
$0.4 \leq T$	Thickness (mm)		$T \geq 2.7$
Mesh/Powder/Composite	Wick Structure		Mesh/Powder/Composite
5 ~ 80	Qmax of Component (W/unit)		150 ~ 1000



# Project Develop Process Flow

## Evaluation

- Quotation
- Design and Simulation Proposal

## Design Finalized

- Final 2D and 3D design confirmed.

## NPI and MP

## New Inquiry To Taipei

- 2D 3D RFQ
- Design Proposal request

## Mock UP Sample

## Start Tooling



# Production Ability

## Tooling Dev.

- Extrusion
- Die casting
- Stamping
- Forging
- Fixture / Jig
- Automation

## Mechanical Processes

- Cutting
- Stamping
- Bending
- Drilling/ Tapping
- CNC/ Lathe
- Diamond Cutting
- Friction Stir Welding
- Diffusion Welding
- Laser Welding
- Sintering

## Inspection

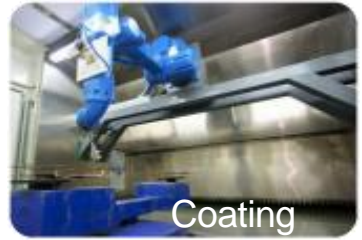
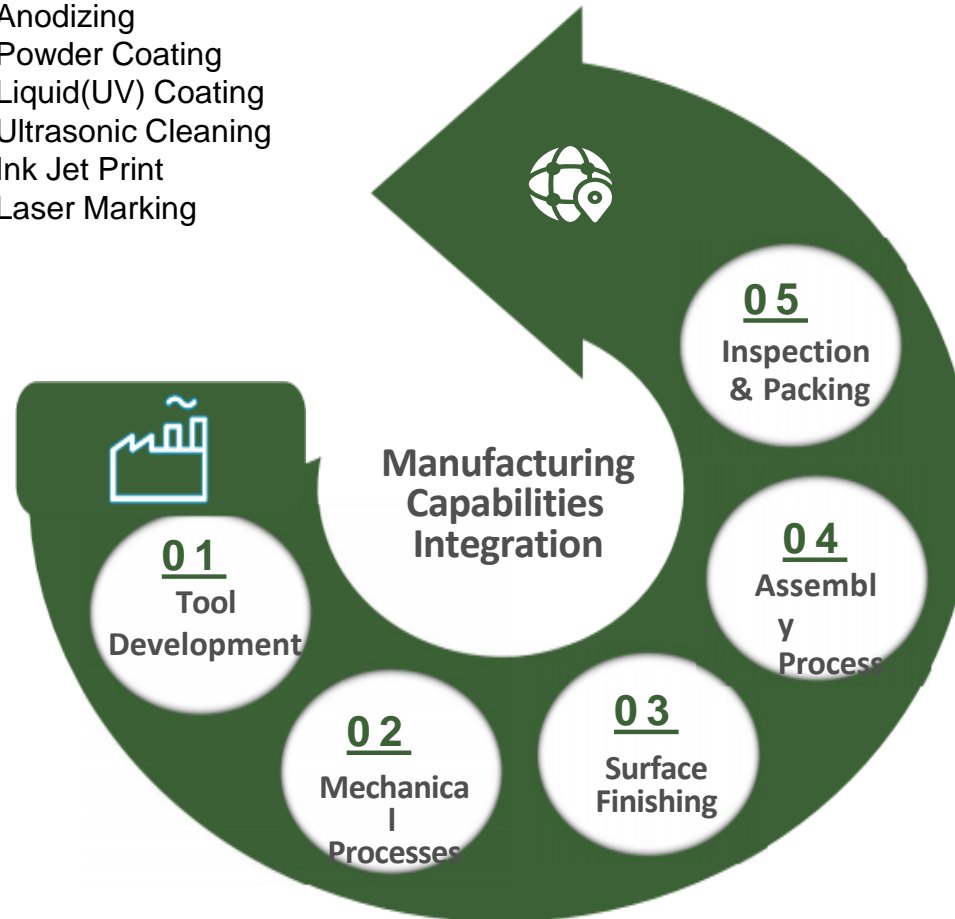
- Thermal Test
- Leakage Test
- Mechanical Check
- Packaging

## Surface Finishing

- Chromate Conversion Coating
- Brushing/ Polishing
- Bead Blasting
- Silkscreen/ Pad print
- Anodizing
- Powder Coating
- Liquid(UV) Coating
- Ultrasonic Cleaning
- Ink Jet Print
- Laser Marking

## Assembly

- Module Soldering
- Cold Plate Brazing
- Mechanical Assembly





# Soldering & Brazing Ability



Reflow Machine



Diffusion Bonding  
Furnace



Diffusion Bonding  
Continuous Furnace



Vacuum Brazing



Continuous  
Furnace Brazing



Friction Stir Welding

## ✓ Soldering

- Thermal Module
- Vapor Chamber Module



## ✓ Diffusion Bonding

- Vapor Chamber



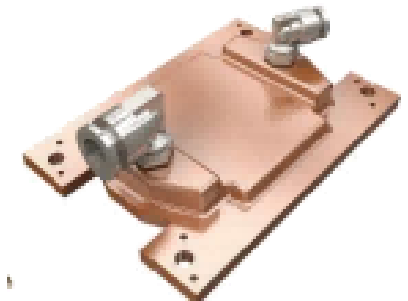
## ✓ Brazing

- Cold Plate
- Thermosyphon
- 3D VC

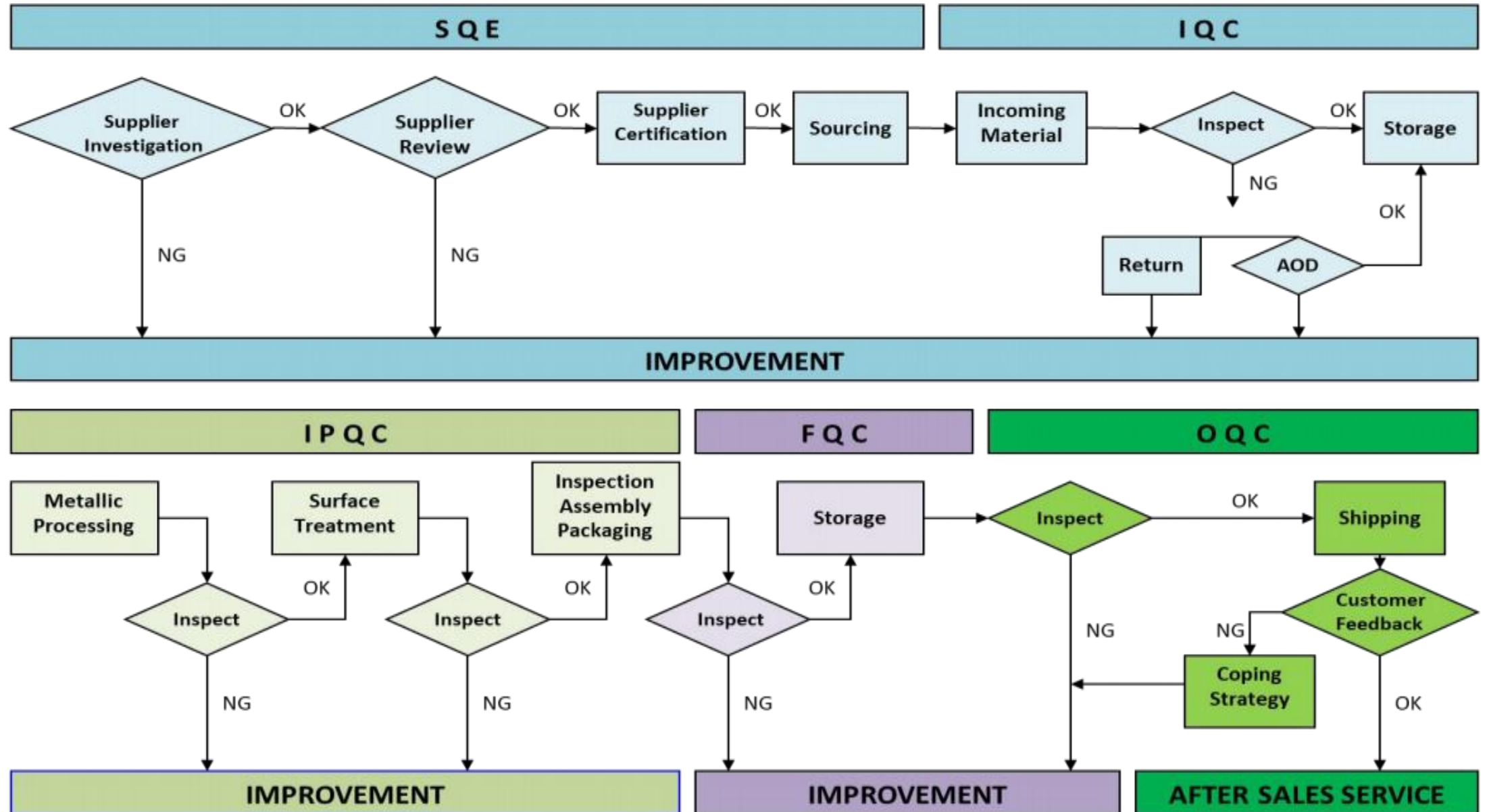


## ✓ FSW

- Cold Plate



# Quality System



# Quality Control

## ➤ Test & Inspection Equipment In House

Necessary test equipment and inspection equipment are in house.

## ➤ Heat Pipe & Vapor Chamber Inspection

- Burn-In : 100 %
- Thermal Performance : 100 %
- Critical Dimension Check : 100 %
- Appearance Check : 100%

## ➤ Heat Sink & Cooling Module Inspection

- Appearance Check : 100 %
- Critical Dimension Check : 100 %
- Thermal Test for cooling module: 100 %

## ➤ Cold Plate Inspection

- Leakage Test : 100 %
- Pressure Drop Test : 100 %
- Critical Dimension Check : 100 %
- Appearance Check



Managementssystem



# Inspection equipment

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## Dimension Inspection

CMM Image Dimension Measurement System  
Automatic Laser Scan Measurement  
Image Dimension  
Measurement System  
3D Scanner  
Optical Comparators

## Function Inspection

Ultrasound Flaw Test  
Flow Resistance Performance Test  
Metallographic Microscope  
Pencil Scratch Tester  
Spring Tension And Compression Testing

## Reliability Inspection

Thermal Shock Test  
Salt Spray Testing Chamber  
Drop Tester  
Simulation Car Transportation Testing  
Taber Abrasion Tester  
RCA Abrasion Tester

## Appearance Inspection

Gloss Meter  
Electrical Conductivity Meter  
Coating Thickness Meter  
Spectrophotometer  
Metallographic Grinding Tester  
Plating Thickness Gauge  
Anodizing Sealing Gauge  
Roughness Meter  
Micro Magnifier  
CCD Visual Inspection



# Equipment For Reliability Test

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**Thermal shock test machine**



**Constant temperature and humidity testing machine**



**Accelerated Life Test**



**Qmax test platforms**



**3 D CMM**



**Salt spraying tester**



**Leakage Tester**



**Micro Leakage Test (He Gas)**



**X-ray spectrum analyzer**



**Thermal performance tester**

# Green Production

## EHS Facilities for environment friendly production

Photovoltaic System  
Water Heating System  
Automatic Anodizing Lines  
Waste water recycling system  
Waste phosphoric acid and sulfuric acid recycling system  
Centralized Aluminum Dust Collection

### ✓ EHS policy

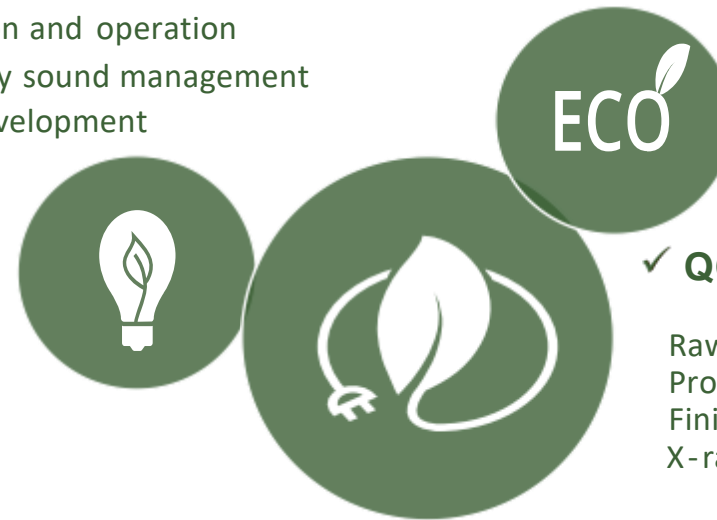
Obey government environmental law  
Continuous improvement on pollution prevention  
Clean production and operation  
Environmentally sound management  
Harmonious development

### ✓ EHS System

Environmental health & safety management system:  
ISO14001 ISO45001

### ✓ QC080000 HSPM System

Raw Material control  
Process control  
Finished Products control  
X-rays chemical analyze meter



**THANKS!**