

▶ Socket

# LGA 7529

▶ CPU

## Intel® Granite Rapids AP



**C1** Aluminum Stacked fins with 8 heat pipes. It is suitable for 2U and up. Support up to 450 watts of CPU Heat Dissipation.

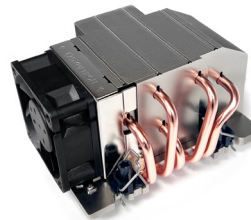
|                     |                      |
|---------------------|----------------------|
| Dimensions          | 126.8 x 97.8 x 64 mm |
| Weight              | 650 g                |
| Thermal Performance | 450W@40°C ambient    |



CPU 450 WATTS 2U AI FIN

**C2** Active cooler For 2U servers and up. Aluminum Stacked fin with 5 heat pipes it efficiently dissipates heat for CPU up to 400W.

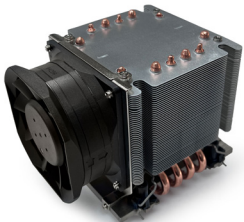
|                     |                      |
|---------------------|----------------------|
| Dimensions          | 132.5 x 97.8 x 67 mm |
| Weight              | 630 g                |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 11000 ± 10% RPM      |
| Max. Air Flow       | 58.31 CFM            |
| Noise Level         | 25.8 dBA - 59.8 dBA  |
| Thermal Performance | 400W@40°C ambient    |



CPU 400 WATTS 2U AI FIN

**C3** Aluminum Stacked Fins with Heat Pipes directly contact CPU, Active Cooler for 3U Server and up, Support 570 Watts CPU Power Heat Dissipation.

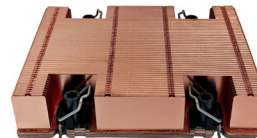
|                     |                      |
|---------------------|----------------------|
| Dimensions          | 140 x 97.8 x 107 mm  |
| Weight              | 630 g                |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 8000 ± 10% RPM       |
| Max. Air Flow       | 115.61 CFM           |
| Noise Level         | 25.63 dBA - 64.4 dBA |
| Thermal Performance | 570W@40°C ambient    |



CPU 570 WATTS 3U AI FIN

**C4** Aluminum Stacked fin and a copper vapor chamber base. It is optimized for 1U servers and up, support for CPU heat dissipation of up to 400 W.

|                     |                        |
|---------------------|------------------------|
| Dimensions          | 126.8 x 97.8 x 26.8 mm |
| Weight              | 450 g                  |
| Thermal Performance | 400W@40°C ambient      |



CPU 400 WATTS 1U AI FIN Cu V'C

**7529-C** Cold plate for Intel Xeon Scalable Granite Rapids AP socket LGA7529, support 1U server and up. Copper  
**7529-S** Cold plate with Plastic Cover, EPDM hose. Available with quick disconnect options.

|                          |                                         |
|--------------------------|-----------------------------------------|
| Dimensions               | 128 x 97.8 x 26.5 mm                    |
| Weight                   | 430 g                                   |
| Supported Connector Type | CPC Everis LQ2<br>Staubli SCG03 ( F/M ) |
| Thermal Performance      | 970W @ 0.7 LPM<br>42°C Coolant          |



CPU 970 WATTS 1U Cu PLATE

**L37** All-in-one Liquid Cooler for 1U server, five 40 x 40 x 28 mm PWN Fans with Maximum 18000 RPM Fan Speed, support CPU TDP up to 500 W.

|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 126.8 x 97.8 x 26.5 mm |
| Radiator dim        | 278.6 x 86.0 x 40.0 mm |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 18000 ± 10% RPM        |
| Max. Air Flow       | 26.5 CFM               |
| Noise Level         | 16 dBA - 57 dBA        |
| Thermal Performance | 500W@40°C ambient      |



CPU 500 WATTS 1U Cu PLATE



▶ Socket

**LGA 7529**

▶ CPU

Intel®  
 Granite Rapids AP



**L38** All-in-one Liquid Cooler for 2U Server, Three 80 x 80 x 38 mm PWM Fans with Maximum 8000 RPM Fan Speed, support CPU TDP up to 700 W.



|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 126.8 x 97.8 x 26.5 mm |
| Radiator dim        | 297.4 x 82.0 x 83.5 mm |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 8000 ± 10% RPM         |
| Max. Air Flow       | 115.61 CFM             |
| Noise Level         | 1.39 dBA - 34.06 dBA   |
| Thermal Performance | 700W@40°C ambient      |

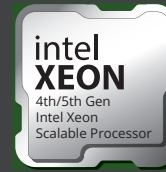


▶ Socket

# LGA 4710

▶ CPU

Intel® Sapphire Rapids / Emerald Rapids



## 4710-C 4710-S

Cold plate for Intel Xeon Scalable Granite Rapids SP socket LGA4710, support 1U server and up. Copper Cold plate with Plastic Cover, EPDM hose. Available with quick disconnect options.



|                          |                                      |
|--------------------------|--------------------------------------|
| Dimensions               | 118 x 78 x 24.7 mm                   |
| Weight                   | 350 g                                |
| Supported Connector Type | CPC Everis LQ2 Staubli SCG03 ( F/M ) |
| Thermal Performance      | 620W @ 0.7 LPM, 42°C coolant         |

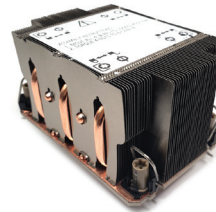
CPU  
**620**  
WATTS

1U

Cu  
PLATE

## S2-4710

Aluminum Stacked Fins, 5 Heat pipes with Copper Vapor Chamber Base, Passive Cooler for 2U Server and up, Support 350W CPU Power Heat Dissipation.



|                     |                   |
|---------------------|-------------------|
| Dimensions          | 118 x 78 x 64 mm  |
| Weight              | 526.6 g           |
| Thermal Performance | 350W@40°C ambient |

CPU  
**350**  
WATTS

2U

Al  
FIN

Cu  
V.C

## S3-4710

Active Cooler for 1U Server and up, Copper Heat sink with Vapor Chamber Base, Steel Dual-Outlet PWM Blower, Support 205 Watts CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 118 x 80 x 27 mm    |
| Weight              | 424.6 g             |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8600 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA - 62.2 dBA |
| Thermal Performance | 205W@40°C ambient   |

CPU  
**205**  
WATTS

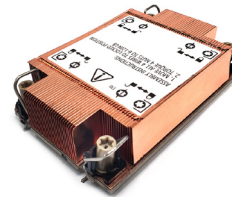
1U

Cu  
FIN

Cu  
V.C

## S4-4710

Copper for both Vapor Chamber Base and Stacked Fins, Passive Cooler for 1U Server and up, Support 205 Watts CPU Power Heat Dissipation.



|                     |                   |
|---------------------|-------------------|
| Dimensions          | 118 x 78 x 27 mm  |
| Weight              | 437.6 g           |
| Thermal Performance | 205W@40°C ambient |

CPU  
**205**  
WATTS

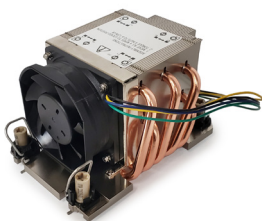
1U

Al  
FIN

Cu  
V.C

## S5R1-4710

Active Cooler for 2U Server and up, Aluminum Stacked Fins with 5 Heat Pipes embedded, Side-blow fan with PWM Function, Support 350 Watts CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 118 x 82 x 66 mm    |
| Weight              | 425.1 g             |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 11000 ± 10% RPM     |
| Max. Air Flow       | 58.31 CFM           |
| Noise Level         | 25.8 dBA - 59.8 dBA |
| Thermal Performance | 350W@40°C ambient   |

CPU  
**350**  
WATTS

2U

Al  
FIN

## S6-4710

Aluminum Stacked Fins with Heat Pipes directly contact CPU, Active Cooler for 3U Server and up, Support 350 Watts CPU Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 128 x 91 x 110 mm     |
| Weight              | 659.3 g               |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 4500 ± 10% RPM        |
| Max. Air Flow       | 76.95 CFM             |
| Noise Level         | 23.95 dBA - 50.91 dBA |
| Thermal Performance | 350W@40°C ambient     |

CPU  
**350**  
WATTS

3U

Al  
FIN

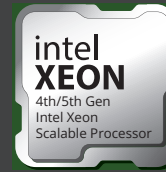


▶ Socket

**LGA 4710**

▶ CPU

Intel® Sapphire Rapids / Emerald Rapids



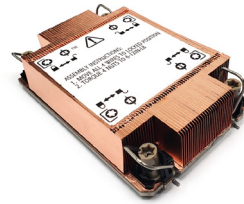
**S7-4710** Copper 1100 Heat sink with Vapor Chamber Base. Passive Cooler for 1U Server and up, Support 205 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 118.6 x 80.5 x 27.4 mm |
| Weight              | 424.6 g                |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 8600 ± 10% RPM         |
| Max. Air Flow       | 26.25 CFM              |
| Noise Level         | 23.3 dBA - 62.2 dBA    |
| Thermal Performance | 205W@40°C ambient      |



**S8-4710** Copper for both Vapor Chamber Base and Stacked Fins, Passive Cooler for 1U Server and up, Support 205 Watts CPU Power Heat Dissipation.



|                     |                    |
|---------------------|--------------------|
| Dimensions          | 118 x 78 x 25.5 mm |
| Weight              | 410 g              |
| Thermal Performance | 205W@40°C ambient  |



**L31-4710** Liquid cooler For 1U servers and up. Cold Plate Module with Copper base. Support 350 Watts CPU Power Heat Dissipation.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 118 x 78 x 23 mm     |
| Radiator dim        | 188 x 74.5 x 40.0 mm |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 12000 ± 10% RPM      |
| Max. Air Flow       | 24.84 CFM            |
| Noise Level         | 18.74 dBA - 52.8 dBA |
| Thermal Performance | 350W@40°C ambient    |



**L45** Liquid cooler For 2U servers and up. Cold Plate Module with Copper base. Support 600 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 118.0 x 78.0 x 22.8 mm |
| Radiator dim        | 297.4 x 82.0 x 83.5 mm |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 8000 ± 10% RPM         |
| Max. Air Flow       | 115.61 CFM             |
| Noise Level         | 25.63 dBA - 64.4 dBA   |
| Thermal Performance | 600W@40°C ambient      |



▶ Socket

**LGA**  
**1851/1700**

▶ CPU

Intel® Alder Lake/  
Raptor Lake/  
Meteor Lake/Arrow Lake



**CP65-C**  
**CP65-S**

Cold plate for Intel Core 115x/1700/1851 support 1U server and up. Copper Cold plate with Plastic Cover, EPDM hose. Available with quick disconnect options.



|                          |                                         |
|--------------------------|-----------------------------------------|
| Dimensions               | 64.5 x 64.5 x 23 mm                     |
| Weight                   | 150 g                                   |
| Supported Connector Type | CPC Everis LQ2<br>Staubli SCG03 ( F/M ) |
| Thermal Performance      | 357W @ 0.7 LPM,<br>42°C coolant         |



**L3**

All-in-one Liquid Cooler for 1U Server, Three 40x40x28 mm PWM fans with maximum 12000 RPM fan speed, Support CPU TDP up to 195W, Compatible with both Intel and AMD.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 188 x 74.0 x 40 mm    |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 12000 ± 10% RPM       |
| Max. Air Flow       | 21.53 CFM             |
| Noise Level         | 25.9 dBA – 54.0 dBA   |
| Thermal Performance | 195W@30°C ambient     |



**L3-UH**

All-in-one Liquid Cooler for 1U Server, Three 40x40x28 mm PWM fans with maximum 26000 RPM fan speed, Support CPU TDP up to 210 Watts, Compatible with both Intel and AMD CPUs.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 188 x 74.0 x 40 mm    |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 26000 ± 10% RPM       |
| Max. Air Flow       | 37.32 CFM             |
| Noise Level         | 19.35 dBA – 64.17 dBA |
| Thermal Performance | 210W@30°C ambient     |



**L5**

All-in-one Liquid Cooler for 4U and Tower PC, PWM fans with maximum 2300 RPM fan speed, Support CPU Overclocking Power Mode up to 215 Watts Heat Dissipation, Compatible with both Intel and AMD CPUs.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 165 x 96 x 120 mm     |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 2300 ± 10% RPM        |
| Max. Air Flow       | 88.93 CFM             |
| Noise Level         | 17.3 dBA – 37.7 dBA   |
| Thermal Performance | 215W@30°C ambient     |



**L15**

All-in-one Liquid Cooler for 4U & Tower PC. Cold Plate Module with Copper base. Support CPU Power up to 253 Watts Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm  |
| Radiator dim        | 282.39 x 54.7 x 120 mm |
| Bearing             | 2 Ball Bearing         |
| Max. Speed          | 2400 ± 10% RPM         |
| Max. Air Flow       | 92 CFM                 |
| Noise Level         | 16 dBA – 38 dBA        |
| Thermal Performance | 253W@30°C ambient      |



**L19**

All-in-one Liquid Cooler for 2U. Cold Plate Module with Copper base. Support CPU Power up to 205W Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 204 x 45 x 75 mm      |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 6000 ± 10% RPM        |
| Max. Air Flow       | 54.02 CFM             |
| Noise Level         | 31.7 dBA – 46.42 dBA  |
| Thermal Performance | 205W@30°C ambient     |



▶ Socket

**LGA**  
**1851/1700**

▶ CPU

Intel® Alder Lake/  
 Raptor Lake/  
 Meteor Lake/Arrow Lake



**L25-1** All-in-one Liquid Cooler for 1U Server, Five 40X40 mm PWM fans with Maximum 12000 rpm Fan Speed, Fully Support CPU Overclocking 240 Watts Heat Dissipation, Compatible with both Intel and AMD CPUs.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm  |
| Radiator dim        | 277.9 x 74.4 x 40 mm |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 12000 ± 10% RPM      |
| Max. Air Flow       | 21.53 CFM            |
| Noise Level         | 25.9 dBA – 53.96 dBA |
| Thermal Performance | 240W@30°C ambient    |

CPU **240 WATTS** **1U** **Cu PLATE**

**L25-U** All-in-one Liquid Cooler for 1U Server, Five 40X40 mm PWM fans with Maximum 18000 RPM Fan Speed, Fully Support CPU Overclocking 253 Watts Heat Dissipation, Compatible with both Intel and AMD CPUs.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm  |
| Radiator dim        | 277.9 x 74.4 x 40 mm |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 18000 ± 10% RPM      |
| Max. Air Flow       | 26.5 CFM             |
| Noise Level         | 16 dBA – 57 dBA      |
| Thermal Performance | 253W@30°C ambient    |

CPU **253 WATTS** **1U** **Cu PLATE**

**L34** All-in-one Liquid Cooler for 1U Server, Four 80x80x38 mm PWM fans with maximum 6000 rpm fan speed, Support CPU TDP up to 300 Watts, Compatible with both Intel & AMD CPUs.



|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm    |
| Radiator dim        | 383.5 x 86.5 x 85.4 mm |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 6000 ± 10% RPM         |
| Max. Air Flow       | 102.6 CFM              |
| Noise Level         | 24.77 dBA – 57.16 dBA  |
| Thermal Performance | 300W@30°C ambient      |

CPU **300 WATTS** **2U** **Cu PLATE**

**L35** All-in-one Liquid Cooler for 1U Server, Three 80x80x38 mm PWM fans with maximum 8000 rpm fan speed, Support CPU TDP up to 305W, Compatible with both Intel and AMD CPUs.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm  |
| Radiator dim        | 304.9 x 82 x 85.1 mm |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 8000 ± 10% RPM       |
| Max. Air Flow       | 115.61 CFM           |
| Noise Level         | 25.63 dBA – 64.4 dBA |
| Thermal Performance | 305W@30°C ambient    |

CPU **305 WATTS** **2U** **Cu PLATE**

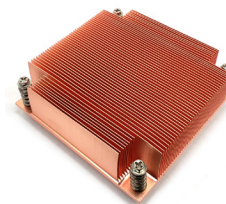
**L46** All-in-one Liquid Cooler for 1U Server, Three 80x80x38 mm PWM fans with maximum 8000 rpm fan speed, Support CPU TDP up to 305W, Compatible with both Intel and AMD CPUs.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm   |
| Radiator dim        | 405.6 x 91.3 x 120 mm |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 2400 ± 10% RPM        |
| Max. Air Flow       | 92 CFM                |
| Noise Level         | 16 dBA – 38 dBA       |
| Thermal Performance | 250W@30°C ambient     |

CPU **250 WATTS** **TOWER PC** **Cu PLATE**

**Q1** Passive Copper Heat sink for 1U Server, Support 130 Watts CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 90.0 x 90.0 x 27 mm |
| Weight              | 490 g               |
| Thermal Performance | 130W@30°C ambient   |

CPU **130 WATTS** **1U** **Cu FIN**





▶ Socket

**LGA**  
**1851/1700**

▶ CPU

Intel® Alder Lake/  
 Raptor Lake/  
 Meteor Lake/Arrow Lake



**Q2** Passive Heat sink with Copper Base and Heat Pipes for 2U Server and Up, Support 155 Watts CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 90.0 x 90.0 x 66 mm |
| Weight              | 653.5 g             |
| Thermal Performance | 155W@30°C ambient   |

CPU 155 WATTS 2U Cu BASE

**Q3** Copper Heat sink with Skiving Fins for 1U Server and Up, Support 125 Watts CPU Power Heat Dissipation.



|                     |                      |
|---------------------|----------------------|
| Dimensions          | 92 x 90 x 28 mm      |
| Weight              | 444 g                |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 7000 ± 10% RPM       |
| Max. Air Flow       | 22.28 CFM            |
| Noise Level         | 21.5 dBA - 59.14 dBA |
| Thermal Performance | 125W@30°C ambient    |

CPU 125 WATTS 1U Cu FIN

**Q5** 60 x 60 x 25 mm Fan with PWM function, Copper Base & Aluminum Fins with Heat pipes Embedded , Active Cooler for 2U Server & Up, Support 185W Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 90.7 x 85.0 x 65.1 mm |
| Weight              | 515 g                 |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 8000 ± 10% RPM        |
| Max. Air Flow       | 46.41 CFM             |
| Noise Level         | 18 dBA - 52.94 dBA    |
| Thermal Performance | 185W@30°C ambient     |

CPU 185 WATTS 2U Cu BASE Al FIN

**Q6** Low-Noise 92x25mm PWM Fan, H.C.C.(Heat pipes Contact CPU)Technology, Active CPU Cooler for 3U&Up and Workstation, Support 195W CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 91.0 x 91.0 x 110.0 mm |
| Weight              | 539 g                  |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 6000 ± 10% RPM         |
| Max. Air Flow       | 107.25 CFM             |
| Noise Level         | 16 dBA - 50.40 dBA     |
| Thermal Performance | 195W@30°C ambient      |

CPU 195 WATTS 3U Al FIN

**Q7** Active air cooler for 1U Server and Up, copper for both Vapor Chamber Base and Stacked Fin, support up to 150 Watts CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 95 x 94 x 28.2 mm   |
| Weight              | 380 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8700 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA - 62.2 dBA |
| Thermal Performance | 150W@30°C ambient   |

CPU 150 WATTS 1U Cu FIN Cu V.C

**Q8** Aluminum 80 x 80 x 15 mm PWM Blower with Copper Heat sink, Push-pin Mounting Type, Active Cooler for 1U Server and up. Support up to 125W Power Heat Dissipation.



|                     |                      |
|---------------------|----------------------|
| Dimensions          | 92 x 95 x 28 mm      |
| Weight              | 515.2 g              |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 7000 ± 10% RPM       |
| Max. Air Flow       | 22.28 CFM            |
| Noise Level         | 21.5 dBA - 59.14 dBA |
| Thermal Performance | 125W@30°C ambient    |

CPU 125 WATTS 1U Cu FIN



▶ Socket

LGA  
1851/1700

▶ CPU

Intel® Alder Lake/  
Raptor Lake/  
Meteor Lake/Arrow Lake



**Q9** Aluminum Extruded Heat Sink, Screw Mounting Type, active cooler for 2U server and up. Support up to 120W CPU Power Heat Dissipation



|                     |                      |
|---------------------|----------------------|
| Dimensions          | 95 x 95 x 41 mm      |
| Weight              | 218 g                |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 4000 ± 10% RPM       |
| Max. Air Flow       | 71.5 CFM             |
| Noise Level         | 16.0 dBA - 41.58 dBA |
| Thermal Performance | 120W@30°C ambient    |



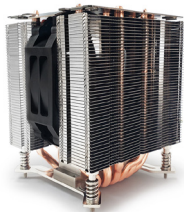
**Q10** 70 x 70 x 20 mm Top-Down Blowing Fan, Aluminum Radial fin Heat sink with Copper inserted, Active Cooler for 2U server and up. Support 140W CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 70 x 70 x 20 mm     |
| Weight              | 430 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 5500 ± 10% RPM      |
| Max. Air Flow       | 53.9 CFM            |
| Noise Level         | 20.6 dBA - 51.4 dBA |
| Thermal Performance | 140W@30°C ambient   |



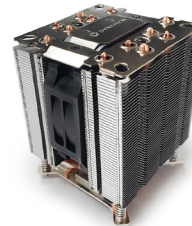
**Q11** 103 X 30 Side-blow fan with PWN Function, Heat pipes with Aluminum Base and Aluminum Fin Stack, Active Cooler for 4U server and up, support 170W CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 95 x 95 x 130 mm    |
| Weight              | 710 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 1800 ± 10% RPM      |
| Max. Air Flow       | 35.03 CFM           |
| Noise Level         | 10.8 dBA - 21.3 dBA |
| Thermal Performance | 170W@30°C ambient   |



**Q11P** 103 X 30 Side-blow fan with PWN Function, Heat pipes with Aluminum Base and Aluminum Fin Stack, Active Cooler for 4U server and up, support 195W CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 95 x 95 x 130 mm    |
| Weight              | 710 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 3800 ± 10% RPM      |
| Max. Air Flow       | 35.03 CFM           |
| Noise Level         | 18.6 dBA - 41.4 dBA |
| Thermal Performance | 195W@30°C ambient   |



**Q12** 9225 Round Fan Top-Down Blowing, Aluminum Radial fin Heat sink with Copper Core Inserted, Active cooler for 3U server and up, support 125W CPU Power Heat Dissipation.



|                     |                    |
|---------------------|--------------------|
| Dimensions          | 106 x 106 x 73 mm  |
| Weight              | 480 g              |
| Ball Bearing        | 2 Ball Bearing     |
| Max. Speed          | 3000 ± 10% RPM     |
| Max. Air Flow       | 53.57 CFM          |
| Noise Level         | 16 dBA - 35.98 dBA |
| Thermal Performance | 125@30°C ambient   |



**Q14** Copper Base & Aluminum Fins with Heat Pipe Embedded 93.5 x 95 x 30 mm fan, active cooler for 1.5U and Up, Support 115W CPU Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 93.5 x 95.0 x 30.0 mm |
| Weight              | 348 g                 |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 3200 ± 10% RPM        |
| Max. Air Flow       | 35.78 CFM             |
| Noise Level         | 22.3 dBA - 36.2 dBA   |
| Thermal Performance | 115@30°C ambient      |





▶ Socket

**LGA**  
**1851/1700**

▶ CPU

Intel®  
Granits Rapid AP



**TL33** All-in-on Liquid Cooler for 1U server and up. Cold Plate Module with Copper Base, Support 280W Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.3 mm |
| Radiator dim        | 278.6 x 73.3 x 40 mm  |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 26000 ± 10% RPM       |
| Max. Air Flow       | 37.32 CFM             |
| Noise Level         | 19.35 dBA - 64.17 dBA |
| Thermal Performance | 280W@30°C ambient     |



**U8** Copper Base & Aluminum Fins with Heat Pipe Embedded, 92 x 92 x 12 mm Axial fan with PWM Function, Active Cooler for 1.5U & Up, Support 135W CPU Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 92.0 x 92.0 x 12.0 mm |
| Weight              | 392 g                 |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 3200 ± 10% RPM        |
| Max. Air Flow       | 35.78 CFM             |
| Noise Level         | 22.3 dBA - 36.2 dBA   |
| Thermal Performance | 135@30°C ambient      |



**U9** Aluminum Fins with Copper Heat Pipe Embedded, 120 x 25 x 120 mm fan with PWM Function, Active Cooler for Desktop, Support 220 Watts CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 125 x 158 x 80 mm   |
| Weight              | 416 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8700 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA - 62.2 dBA |
| Thermal Performance | 220@30°C ambient    |



**U10** Copper Base & Aluminum Fins with Heat Pipe Embedded, 92.0 x 92.0 x 12.0 mm fan with PWM Function, Active Cooler for 1.5U & Up, Support 115W Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 93.5 x 95.0 x 30 mm |
| Weight              | 348 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 3200 ± 10% RPM      |
| Max. Air Flow       | 35.78 CFM           |
| Noise Level         | 22.3 dBA - 36.2 dBA |
| Thermal Performance | 115@30°C ambient    |



**U14** Aluminum Stacked-fin with Heat Pipes directly contact CPU, 140 x 140 x 25.8 mm fan with PWM Function, Active Cooler for Tower PC and Workstations, Support 185 Watts CPU Power Heat Dissipation. Compatible with both Intel and AMD CPUs.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 77.8 x 147 x 165 mm |
| Weight              | 600g                |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 1800 ± 10% RPM      |
| Max. Air Flow       | 96.55 CFM           |
| Noise Level         | 21.9 dBA - 32.7 dBA |
| Thermal Performance | 253@30°C ambient    |



**Z60** Aluminum 6063-T5 Extruded Radial Fin Heat Sink, Active Cooler for 1.5U and up, Support 65W Power Heat Dissipation.

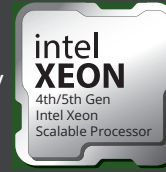


|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 93.0 x 93.0 x 31.3 mm |
| Weight              | 185 g                 |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 2500 ± 10% RPM        |
| Max. Air Flow       | 30.8 CFM              |
| Noise Level         | 16 dBA - 27.3 dBA     |
| Thermal Performance | 65W@30°C ambient      |



▶ Socket  
**LGA 4677**

▶ CPU  
Intel® Sapphire Rapids/  
Emerald Rapids



**4677-C**  
**4677-S**

Cold plate for Intel Xeon scalable Sapphire/Emerald Rapids socket LGA4677, support 1U server and up. Copper Cold plate with Plastic Cover, EPDM hose. Available with quick disconnect options.



|                          |                                         |
|--------------------------|-----------------------------------------|
| Dimensions               | 118 x 78 x 24.7 mm                      |
| Weight                   | 350 g                                   |
| Supported Connector Type | CPC Everis LQ2<br>Staubli SCG03 ( F/M ) |
| Thermal Performance      | 620W @ 0.7 LPM,<br>42°C coolant         |



**L31**

All-in-one Liquid Cooler for 1U Server, Three 40 x 40 x 28 mm PWM fans with maximum 12000 RPM fan speed, Support CPU TDP up to 350W.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 118 x 78 x 23 mm     |
| Radiator dim        | 188 x 74.5 x 40 mm   |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 12000 ± 10% RPM      |
| Max. Air Flow       | 24.84 CFM            |
| Noise Level         | 18.74 dBA – 52.8 dBA |
| Thermal Performance | 350W@40°C ambient    |



**L45-4677**

All-in-one Liquid Cooler for 2U Server and up, Cold Plate Module with Copper Base. Support up to 600 Watts CPU Power Heat Dissipation.

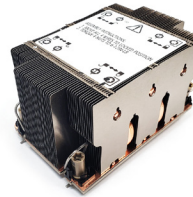


|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 118 x 78 x 22.8 mm     |
| Radiator dim        | 297.4 x 82.0 x 83.5 mm |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 8000 ± 10% RPM         |
| Max. Air Flow       | 115.61 CFM             |
| Noise Level         | 25.63 dBA – 64.4dBA    |
| Thermal Performance | 600W@40°C ambient      |



**S2**

Aluminum Stacked Fins, 5 Heat pipes with Copper Vapor Chamber Base, Passive Cooler for 2U Server and up, Support 350 Watts CPU Power Heat Dissipation.



|                     |                   |
|---------------------|-------------------|
| Dimensions          | 118 x 78 x 64 mm  |
| Weight              | 526.6 g           |
| Thermal Performance | 350W@40°C ambient |



**S3**

Active Cooler for 1U Server and up, Copper Heat sink with Vapor Chamber Base, Steel Dual-Outlet PWM Blower, Support 205 Watts CPU Power Heat Dissipation.

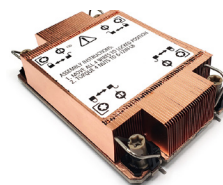


|                     |                     |
|---------------------|---------------------|
| Dimensions          | 118 x 80 x 27 mm    |
| Weight              | 424.6 g             |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8600 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA – 62.2 dBA |
| Thermal Performance | 205W@40°C ambient   |



**S4**

Copper for both Vapor Chamber Base and Stacked Fins, Passive Cooler for 1U Server and up, Support 205 Watts CPU Power Heat Dissipation.

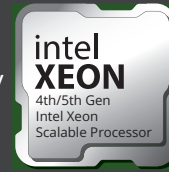


|                     |                  |
|---------------------|------------------|
| Dimensions          | 118 x 78 x 27 mm |
| Weight              | 437.6 g          |
| Thermal Performance | 205@40°C ambient |



▶ Socket  
**LGA 4677**

▶ CPU  
 Intel® Sapphire Rapids/  
 Emerald Rapids



**S5R1** Active Cooler for 2U Server and up, Aluminum Stacked Fins with 5 Heat Pipes embedded, Side-blow fan with PWM Function, Support 350W CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 118 x 82 x 66 mm    |
| Weight              | 425.1 g             |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 11000 ± 10% RPM     |
| Max. Air Flow       | 58.31 CFM           |
| Noise Level         | 25.8 dBA - 59.8 dBA |
| Thermal Performance | 350W@40°C ambient   |



**S6** Aluminum Stacked Fins with Heat Pipes directly contact CPU, Active Cooler for 3U Server and up, Support 350 Watts CPU Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 128 x 91 x 110 mm     |
| Weight              | 659.3 g               |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 4500 ± 10% RPM        |
| Max. Air Flow       | 76.95 CFM             |
| Noise Level         | 23.95 dBA - 50.91 dBA |
| Thermal Performance | 350W@40°C ambient     |



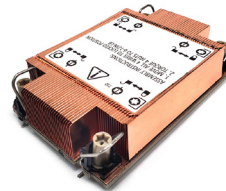
**S7** Active Cooler for 1U Server and up, Copper Heat sink with Vapor Chamber Base, Steel Dual-Outlet PWM Blower, Support 205 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 118.6 x 80.5 x 27.4 mm |
| Weight              | 424.6 g                |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 8700 ± 10% RPM         |
| Max. Air Flow       | 18.97 CFM              |
| Noise Level         | 23.3 dBA - 62.2 dBA    |
| Thermal Performance | 205W@40°C ambient      |



**S8** Copper for both Vapor Chamber Base and Stacked Fins, Passive Cooler for Blade Server and up, Support 205 Watts CPU Power Heat Dissipation.



|                     |                    |
|---------------------|--------------------|
| Dimensions          | 118 x 78 x 25.5 mm |
| Weight              | 410 g              |
| Thermal Performance | 205@40°C ambient   |

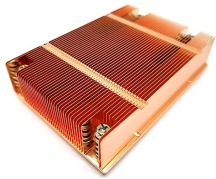


▶ Socket  
**SP6/TR5**

▶ CPU  
AMD® Thread ripper /  
Thread ripper PRO 7000  
and AMD® EPYC™



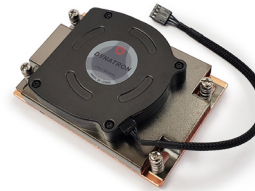
**A51** Copper 1100 Vapor Chamber Heat sink with Copper Stacked Fin, Passive Cooler for 1U server, Support CPU Power up to 205 Watts Heat Dissipation.



|                     |                   |
|---------------------|-------------------|
| Dimensions          | 120 x 82 x 27 mm  |
| Weight              | 500 g             |
| Thermal Performance | 205W@40°C ambient |



**A52** Copper 1100 Vapor Chamber and Stacked Fin, Active Cooler for 1U Server and up, Support CPU Power up to 140 Watts Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 120 x 82 x 28.6 mm  |
| Weight              | 500 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8600 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA - 62.2 dBA |
| Thermal Performance | 140W@40°C ambient   |



**A53** Aluminum Base, Aluminum Stacked Fin with Heatpipe Embedded, Passive Cooler for 2U Server and up, Support 225 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 113.0 x 80.0 x 64.0 mm |
| Weight              | 450 g                  |
| Thermal Performance | 225W@40°C ambient      |



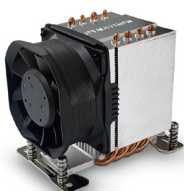
**A54** Aluminum Heat sink with Heat pipe Embedded, Active Cooler for 2U Server and up, Support 225 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 119.0 x 79.0 x 66.0 mm |
| Weight              | 455 g                  |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 11000 ± 10% RPM        |
| Max. Air Flow       | 58.31 CFM              |
| Noise Level         | 25.8 dBA - 59.8 dBA    |
| Thermal Performance | 225W@40°C ambient      |



**A55** Aluminum Heat sink with Heat pipe Embedded, Active Cooler for 3U Server and up, Support 225W Power Heat Dissipation.



|                     |                      |
|---------------------|----------------------|
| Dimensions          | 120 x 82 x 110 mm    |
| Weight              | 656 g                |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 8000 ± 10% RPM       |
| Max. Air Flow       | 115.61 CFM           |
| Noise Level         | 25.63 dBA - 64.4 dBA |
| Thermal Performance | 225W@40°C ambient    |



**L36** All-in-one Liquid Cooler for 1U Server, Three 40 x 40 x 28 mm PWM Fans with Maximum 12000 RPM Fan speed, Support CPU TDP up to 225 Watts.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 117 x 80 x 24.5 mm   |
| Radiator dim        | 188 x 74.5 x 40 mm   |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 8000 ± 10% RPM       |
| Max. Air Flow       | 24.84 CFM            |
| Noise Level         | 18.74 dBA - 52.8 dBA |
| Thermal Performance | 225W@40°C ambient    |



▶ Socket  
**SP6/TR5**

▶ CPU  
 AMD® Thread ripper /  
 Thread ripper PRO 7000  
 and AMD® EPYC™



**L39** All-in-one Liquid Cooler for 2U Server, four 80 x 80 x 42.5 mm PWM Fans with Maximum 6000 RPM Fan speed, Support CPU TDP up to 350 Watts.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 117 x 80 x 24.5 mm    |
| Radiator dim        | 379 x 44 x 83.8 mm    |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 6000 ± 10% RPM        |
| Max. Air Flow       | 102.6 CFM             |
| Noise Level         | 24.77 dBA – 57.16 dBA |
| Thermal Performance | 350W@32°C ambient     |



**L40** All-in-one Liquid Cooler for 2U Server, Three 80 x 80 x 38 mm PWM Fans with Maximum 8000 RPM Fan speed, Support CPU TDP up to 350 Watts.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 117 x 80 x 24.5 mm   |
| Radiator dim        | 305 x 79.9 x 83.5 mm |
| Ball Bearing        | Liquid State         |
| Max. Speed          | 8000 ± 10% RPM       |
| Max. Air Flow       | 115.61 CFM           |
| Noise Level         | 25.63 dBA – 64.4 dBA |
| Thermal Performance | 350W@32°C ambient    |





▶ Socket  
**AM4/AM5**

▶ CPU  
 AMD® Ryzen processors  
 Socket AM4/AM5



**A18** Copper 1100 with Skived Fins, Passive Cooler for 1U server, Support CPU Power up to 120 Watts Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 106 x 76 x 27.5 mm  |
| Weight              | 502 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 6000 ± 10% RPM      |
| Max. Air Flow       | 14.3 CFM            |
| Noise Level         | 19.1 dBA – 53.8 dBA |
| Thermal Performance | 120W@30°C ambient   |

CPU 120 WATTS 1U Cu FIN

**A19** 80 x 80 x 38 mm Power Fan with PWM function, HCC (Heat pipe Contact CPU) technology, Active Cooler for 3U server & up, Workstations, support Power 155W Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 107.5 x 78 x 110 mm |
| Weight              | 600 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 3800 ± 10% RPM      |
| Max. Air Flow       | 65.4 CFM            |
| Noise Level         | 16 dBA – 43.4 dBA   |
| Thermal Performance | 155W@30°C ambient   |

CPU 155 WATTS 3U AI FIN

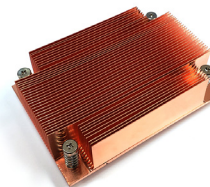
**A24** 60 x 60 x 28 mm PWM Fan, Aluminum Fins with Heat pipe directly contact CPU, Active Cooler for 2U server and up, Support CPU Power 155 Watts Heat Dissipation.



|                     |                   |
|---------------------|-------------------|
| Dimensions          | 107 x 78 x 67 mm  |
| Weight              | 400 g             |
| Ball Bearing        | 2 Ball Bearing    |
| Max. Speed          | 7000 ± 10% RPM    |
| Max. Air Flow       | 40.5 CFM          |
| Noise Level         | 16 dBA – 47.5 dBA |
| Thermal Performance | 155W@30°C ambient |

CPU 155 WATTS 2U Cu FIN

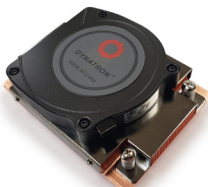
**A37** Copper Heat Sink with Skiving Fins, Active Cooler for 1U Server and up, Support 120 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 106.0 x 74.0 x 27.0 mm |
| Weight              | 586 g                  |
| Thermal Performance | 120W@30°C ambient      |

CPU 120 WATTS 1U Cu FIN

**A42** Copper 1100 Skived Fins, Active Cooler for 1U server, support CPU power up to 140 Watts heat dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 110 x 86 x 27.5 mm  |
| Weight              | 550 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8600 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA – 62.2 dBA |
| Thermal Performance | 140W@30°C ambient   |

CPU 140 WATTS 1U Cu FIN

**A43** Passive Heat sink for 2U server solution, Aluminum Fin with heat pipe inserted, support 155W Power heat Dissipation.



|                     |                   |
|---------------------|-------------------|
| Dimensions          | 105 x 74 x 63 mm  |
| Weight              | 450 g             |
| Thermal Performance | 155W@30°C ambient |

CPU 155 WATTS 2U AI FIN



▶ Socket  
**AM4/AM5**

▶ CPU  
AMD® Ryzen processors  
Socket AM4/AM5



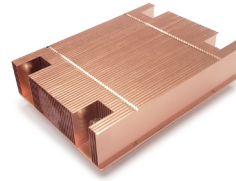
**A45** Copper 1100 Skived Fins with Vapor Chamber, Active Cooler for 1U server, support CPU power up to 145W heat dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 110 x 85 x 27.3 mm  |
| Weight              | 416 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8700 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA - 62.2 dBA |
| Thermal Performance | 145W@30°C ambient   |



**A46** Passive Heat sink for 1U server solution, Copper Fin with Vapor Chamber, support 145W CPU Power Heat Dissipation.



|                     |                    |
|---------------------|--------------------|
| Dimensions          | 110 x 80 x 26.9 mm |
| Weight              | 440 g              |
| Thermal Performance | 145W@30°C ambient  |



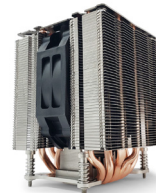
**A47** 60 x 60 x 25 mm Power Fan with PWM function, 4 Heat pipes and Aluminum Stacked Fin, Active Cooler for 2U server & up, support CPU Power 170W Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 107 x 78 x 67 mm    |
| Weight              | 400 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 11000 ± 10% RPM     |
| Max. Air Flow       | 58.31 CFM           |
| Noise Level         | 25.8 dBA - 59.8 dBA |
| Thermal Performance | 170W@30°C ambient   |



**A49** 103 x 103 x 30 mm Power Fan with PWM function. Heat pipes with Aluminum Stacked Fin and Base, Active Cooler for 4U server & up, support 175W Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 95 x 95 x 130 mm    |
| Weight              | 710 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 1800 ± 10% RPM      |
| Max. Air Flow       | 35.03 CFM           |
| Noise Level         | 10.8 dBA - 21.3 dBA |
| Thermal Performance | 175W@30°C ambient   |



**A56** 80 x 80 x 38 mm Power Fan with PWMG function, HCC (Heat pipe Contact CPU) technology, Active Cooler for 3U server & up, support Power 170W Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 107.5 x 78 x 110 mm   |
| Weight              | 600 g                 |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 8000 RPM Min          |
| Max. Air Flow       | 115.61 CFM            |
| Noise Level         | 25.63 dBA - 64.40 dBA |
| Thermal Performance | 170W@28°C ambient     |



**CP65-C**  
**CP65-S** Cold plate for AMD Ryzen AM4/AM5, support 1U server and up. Copper Cold plate with Plastic Cover, EPDM hose. Available with quick disconnect options.



|                          |                                         |
|--------------------------|-----------------------------------------|
| Dimensions               | 64.5 x 64.5 x 23 mm                     |
| Weight                   | 150 g                                   |
| Supported Connector Type | CPC Everis LQ2<br>Staubli SCG03 ( F/M ) |
| Thermal Performance      | 357W @ 0.7 LPM,<br>42°C coolant         |



▶ Socket  
**AM4/AM5**

▶ CPU  
AMD® Ryzen processors  
Socket AM4/AM5



**L3** All-in-one Liquid Cooler for 1U Server, Three 40x40x28 mm PWM fans with maximum 12000 RPM fan speed, Support CPU TDP up to 165W, Compatible with both Intel and AMD.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 188 x 74.0 x 40 mm    |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 12000 ± 10% RPM       |
| Max. Air Flow       | 21.53 CFM             |
| Noise Level         | 25.9 dBA – 54.0 dBA   |
| Thermal Performance | 165W@30°C ambient     |



**L3-UH** All-in-one Liquid Cooler for 1U Server, Three 40x40x28 mm PWM fans with maximum 26000 RPM fan speed, Support CPU TDP up to 170 Watts, Compatible with both Intel and AMD CPUs.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 188 x 74.0 x 40 mm    |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 26000 ± 10% RPM       |
| Max. Air Flow       | 37.32 CFM             |
| Noise Level         | 19.35 dBA – 64.17 dBA |
| Thermal Performance | 170W@30°C ambient     |



**L5** All-in-one Liquid Cooler for 4U and Tower PC, PWM fans with maximum 2300 RPM fan speed, Support CPU Overclocking Power Mode up to 170 Watts Heat Dissipation, Compatible with both Intel and AMD CPUs.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 165 x 96 x 120 mm     |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 2300 ± 10% RPM        |
| Max. Air Flow       | 88.93 CFM             |
| Noise Level         | 17.3 dBA – 37.7 dBA   |
| Thermal Performance | 170W@30°C ambient     |



**L15** All-in-one Liquid Cooler for 4U & Tower PC. Cold Plate Module with Copper base. Support Power up to 185W Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm  |
| Radiator dim        | 282.39 x 54.7 x 120 mm |
| Bearing             | 2 Ball Bearing         |
| Max. Speed          | 2400 ± 10% RPM         |
| Max. Air Flow       | 92 CFM                 |
| Noise Level         | 16 dBA – 38 dBA        |
| Thermal Performance | 185W@30°C ambient      |



**L19** All-in-one Liquid Cooler for 2U. Cold Plate Module with Copper base. Support CPU Power up to 170W Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.5 mm |
| Radiator dim        | 204 x 45 x 75 mm      |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 6000 ± 10% RPM        |
| Max. Air Flow       | 54.02 CFM             |
| Noise Level         | 31.7 dBA – 46.42 dBA  |
| Thermal Performance | 170W@30°C ambient     |



**L25-1** All-in-one Liquid Cooler for 1U Server, Five 40x40 mm PWM fans with Maximum 12000 rpm Fan Speed, Fully Support CPU Overclocking 170 Watts Heat Dissipation, Compatible with both Intel and AMD CPUs.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm  |
| Radiator dim        | 277.9 x 74.4 x 40    |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 12000 ± 10% RPM      |
| Max. Air Flow       | 21.53 CFM            |
| Noise Level         | 25.9 dBA – 53.96 dBA |
| Thermal Performance | 170W@30°C ambient    |



▶ Socket  
**AM4/AM5**

▶ CPU  
 AMD® Ryzen processors  
 Socket AM4/AM5



**L25-U** All-in-one Liquid Cooler for 1U Server, Five 40X40 mm PWM fans with Maximum 18000 RPM Fan Speed, Fully Support CPU Overclocking 180 Watts Heat Dissipation, Compatible with both Intel and AMD CPUs.



|                     |                     |
|---------------------|---------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm |
| Radiator dim        | 277.9 x 74.4 x 40   |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 18000 ± 10% RPM     |
| Max. Air Flow       | 26.5 CFM            |
| Noise Level         | 16 dBA – 57 dBA     |
| Thermal Performance | 180W@30°C ambient   |

CPU **180 WATTS** **1U** **Cu PLATE**

**L34** All-in-one Liquid Cooler for 1U Server, Four 80x80x38 mm PWM fans with maximum 6000 rpm fan speed, Support CPU TDP up to 205 Watts, Compatible with both Intel & AMD CPUs.



|                     |                        |
|---------------------|------------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm    |
| Radiator dim        | 383.5 x 86.5 x 85.4 mm |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 6000 ± 10% RPM         |
| Max. Air Flow       | 102.6 CFM              |
| Noise Level         | 24.77 dBA – 57.16 dBA  |
| Thermal Performance | 205W@30°C ambient      |

CPU **205 WATTS** **2U** **Cu PLATE**

**L35** All-in-one Liquid Cooler for 1U Server, Three 80x80x38 mm PWM fans with maximum 8000 rpm fan speed, Support CPU TDP up to 210W, Compatible with both Intel and AMD CPUs.



|                     |                      |
|---------------------|----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23 mm  |
| Radiator dim        | 304.9 x 82 x 85.1 mm |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 8000 ± 10% RPM       |
| Max. Air Flow       | 115.61 CFM           |
| Noise Level         | 25.63 dBA – 64.4 dBA |
| Thermal Performance | 210W@30°C ambient    |

CPU **210 WATTS** **2U** **Cu PLATE**

**T497** Passive Cooler with Aluminum Stacked Fin with Heat pipe Embedded for 1.5U Server and up, Support 120 Watts CPU Power Heat Dissipation.



|                     |                   |
|---------------------|-------------------|
| Dimensions          | 93 x 100 x 30 mm  |
| Weight              | 250 g             |
| Ball Bearing        | 1 Ball Bearing    |
| Max. Speed          | 3600 ± 10% RPM    |
| Max. Air Flow       | 40 CFM            |
| Noise Level         | 17 dBA – 35.8 dBA |
| Thermal Performance | 120W@40°C ambient |

CPU **120 WATTS** **1.5U** **Al FIN**

**TL33** All-in-on Liquid Cooler for 1U server and up. Cold Plate Module with Copper Base, Support 185W Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 73 x 73 x 25.9 mm     |
| Radiator dim        | 278.6 x 73.3 x 40 mm  |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 26000 ± 10% RPM       |
| Max. Air Flow       | 37.32 CFM             |
| Noise Level         | 19.35 dBA – 64.17 dBA |
| Thermal Performance | 185W@30°C ambient     |

CPU **185 WATTS** **1U** **Cu PLATE**

**U8** Copper Base & Aluminum Fins with Heat Pipe Embedded, 92 x 92 x 12 mm Axial fan with PWM Function, Active Cooler for 1.5U & Up, Support 130W CPU Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 92.0 x 92.0 x 12.0 mm |
| Weight              | 392 g                 |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 3200 ± 10% RPM        |
| Max. Air Flow       | 35.78 CFM             |
| Noise Level         | 22.3 dBA – 36.2 dBA   |
| Thermal Performance | 130@30°C ambient      |

CPU **130 WATTS** **1.5U** **Al FIN** **Cu BASE**



▶ Socket  
**AM4/AM5**

▶ CPU  
 AMD® Ryzen processors  
 Socket AM4/AM5



**U9** Aluminum Fins with Copper Heat Pipe Embedded, 120 x 25 x 120 mm fan with PWM Function, Active Cooler for Desktop, Support 175 Watts CPU Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 125 x 158 x 80 mm   |
| Weight              | 416 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 8700 ± 10% RPM      |
| Max. Air Flow       | 26.25 CFM           |
| Noise Level         | 23.3 dBA - 62.2 dBA |
| Thermal Performance | 175@30°C ambient    |



**U10** Copper Base & Aluminum Fins with Heat Pipe Embedded, 92.0 x 92.0 x 12.0 mm fan with PWM Function, Active Cooler for 1.5U & Up, Support 115W Power Heat Dissipation.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 93.5 x 95.0 x 30 mm |
| Weight              | 348 g               |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 3200 ± 10% RPM      |
| Max. Air Flow       | 35.78 CFM           |
| Noise Level         | 22.3 dBA - 36.2 dBA |
| Thermal Performance | 115@30°C ambient    |



**U14** Aluminum Stacked-fin with Heat Pipes directly contact CPU, 140 x 140 x 25.8 mm fan with PWM Function, Active Cooler for Tower PC and Workstations, Support 185 Watts CPU Power Heat Dissipation. Compatible with both Intel and AMD CPUs.



|                     |                     |
|---------------------|---------------------|
| Dimensions          | 77.8 x 147 x 165 mm |
| Weight              | 600g                |
| Ball Bearing        | 2 Ball Bearing      |
| Max. Speed          | 1800 ± 10% RPM      |
| Max. Air Flow       | 96.55 CFM           |
| Noise Level         | 21.9 dBA - 32.7 dBA |
| Thermal Performance | 185@30°C ambient    |



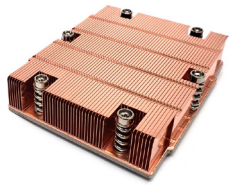


▶ Socket  
**SP5**

▶ CPU  
 AMD® Genoa®  
 Processor Family



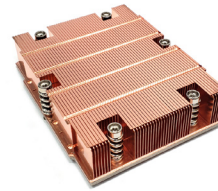
**J1** Passive Heat sink Cooler for Blade server and up, Copper for both Vapor Chamber Base and Stacked Fin. Support up to 260W CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 118.0 x 92.4 x 25.0 mm |
| Weight              | 612 g                  |
| Thermal Performance | 260W@38°C ambient      |



**J2** Passive Heat sink Cooler for 1U server and up, Copper for both Vapor Chamber Base and Stacked Fin. Support up to 260 W CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 118.0 x 92.4 x 27.0 mm |
| Weight              | 642 g                  |
| Thermal Performance | 260W@38°C ambient      |



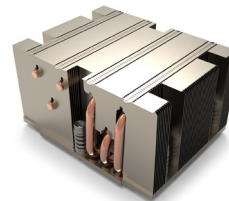
**J5** Active Air Cooler for 1U Server and Up, Copper for both Vapor Chamber Base and Stacked Fin, Support up to 260 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 118.0 x 92.4 x 27.0 mm |
| Weight              | 576 g                  |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 8600 ± 10% RPM         |
| Max. Air Flow       | 26.25 CFM              |
| Noise Level         | 23.3 dBA – 62.2 dBA    |
| Thermal Performance | 260W@47°C ambient      |



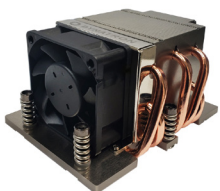
**J7** Passive Heat sink Cooler for 2U server and up, 3 Heat pipes with Aluminum Stacked Fins and Copper Embedded Base, Support up to 450 W CPU Power Heat Dissipation.



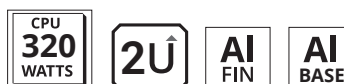
|                     |                        |
|---------------------|------------------------|
| Dimensions          | 118.0 x 92.4 x 64.0 mm |
| Weight              | 564 g                  |
| Thermal Performance | 450W@30°C ambient      |



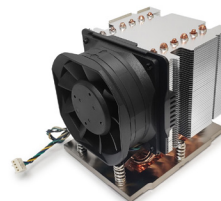
**J10** Active Cooler for 2U Server & Up, 5 Heat pipes with Aluminum Fin Base and Aluminum Fin Stack, Support CPU Power up to 320 Watts Heat Dissipation.



|                     |                      |
|---------------------|----------------------|
| Dimensions          | 118.0 x 92.4 x 65 mm |
| Weight              | 510 g                |
| Ball Bearing        | 2 Ball Bearing       |
| Max. Speed          | 11000 ± 10% RPM      |
| Max. Air Flow       | 58.31 CFM            |
| Noise Level         | 25.8 dBA – 59.8 dBA  |
| Thermal Performance | 320@40°C ambient     |



**J12** Aluminum Stacked Fins with Heat pipes and Copper Heat Spreader Embedded in Aluminum Heat sink Base, Support up to 320 Watts CPU Power Dissipation.



|                     |                         |
|---------------------|-------------------------|
| Dimensions          | 118.0 x 92.4 x 105.0 mm |
| Weight              | 798 g                   |
| Ball Bearing        | 2 Ball Bearing          |
| Max. Speed          | 8100 ± 10% RPM          |
| Max. Air Flow       | 107.79 CFM              |
| Noise Level         | 25.63 dBA – 64.40 dBA   |
| Thermal Performance | 320@30°C ambient        |



▶ Socket  
**SP5**

▶ CPU  
 AMD® Genoa®  
 Processor Family



**L32** All-in-one Liquid Cooler for 1U Server, Cold Plate Module with Copper base. 40 mm Cooling fans with 4-pin PWM connector. Support up to 500W Heat Dissipation.



|                            |                       |
|----------------------------|-----------------------|
| <b>Cold Plate dim</b>      | 118 x 92.4 x 24.8 mm  |
| <b>Radiator dim</b>        | 188 x 74.5 x 40 mm    |
| <b>Ball Bearing</b>        | 2 Ball Bearing        |
| <b>Max. Speed</b>          | 15000 ± 10% RPM       |
| <b>Max. Air Flow</b>       | 26.91 CFM             |
| <b>Noise Level</b>         | 42.26 dBA - 85.81 dBA |
| <b>Thermal Performance</b> | 500W@40°C ambient     |



**SP5-C**  
**SP5-S**

Cold plate for AMD Epyc Genoa/Bergamo/Turin socket SP5, support 1U server and up. Copper Cold plate with Plastic Cover, EPDM hose. Available with quick disconnect options.



|                                 |                                       |
|---------------------------------|---------------------------------------|
| <b>Dimensions</b>               | 118 x 92.4 x 24.8 mm                  |
| <b>Weight</b>                   | 400 g                                 |
| <b>Supported Connector Type</b> | CPC Everis LQ2<br>Staubli SCG03 (F/M) |
| <b>Thermal Performance</b>      | 1300W @ 0.7 LPM,<br>42°C coolant      |



▶ Socket  
**LGA 4926**

▶ CPU  
Ampere®  
Altra® Family



**L43** All-in-one Liquid Cooler for 1U Server, Three 40 x 40 x 28 mm PWM fans with maximum 26000 RPM fan speed, Support CPU TDP up to 250 Watts CPU Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.3 mm |
| Radiator dim        | 188 x 74 x 40 mm      |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 26000 ± 10% RPM       |
| Max. Air Flow       | 37.32 CFM             |
| Noise Level         | 19.35 dBA – 64.17 dBA |
| Thermal Performance | 250W@43°C ambient     |



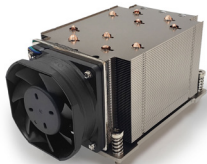
**L44** All-in-one Liquid Cooler for 1U Server, Three 80x80x38 mm PWM fans with maximum 8000 RPM fan speed, Support TDP up to 250W CPU Power Heat Dissipation.



|                     |                       |
|---------------------|-----------------------|
| Cold Plate dim      | 64.5 x 64.5 x 23.3 mm |
| Radiator dim        | 305 x 83.5 x 82 mm    |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 8000 ± 10% RPM        |
| Max. Air Flow       | 115.61 CFM            |
| Noise Level         | 25.63 dBA – 64.4 dBA  |
| Thermal Performance | 250W@43°C ambient     |



**W1 ACTIVE** Copper Heat sink Base & Aluminum Fins with Heat Pipe Embedded. Switchable Air Cooler for 2U server and up, Support 250 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 141.1 x 84.0 x 72.0 mm |
| Weight              | 612 g                  |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 11000 ± 10% RPM        |
| Max. Air Flow       | 58.31 CFM              |
| Noise Level         | 25.8 dBA – 59.8 dBA    |
| Thermal Performance | 250W@35°C ambient      |



**W1 PASSIVE** Copper Heat sink Base & Aluminum Fins with Heat Pipe Embedded. Switchable Air Cooler for 2U server and up, Support 250 Watts CPU Power Heat Dissipation.



|                     |                        |
|---------------------|------------------------|
| Dimensions          | 116.0 x 84.0 x 72.0 mm |
| Weight              | 512 g                  |
| Ball Bearing        | 2 Ball Bearing         |
| Max. Speed          | 11000 ± 10% RPM        |
| Max. Air Flow       | 58.31 CFM              |
| Noise Level         | 25.8 dBA – 59.8 dBA    |
| Thermal Performance | 250W@35°C ambient      |



**W2** Active Cooler for 3U and up. Direct Contact Aluminum Heat pipe Heat sink base and Fins. 80 x 80 x 38 mm PWN Fans. Support CPU TDP up to 250 W.



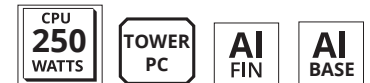
|                     |                       |
|---------------------|-----------------------|
| Dimensions          | 130.3 x 83.6 x 110 mm |
| Weight              | 767 g                 |
| Ball Bearing        | 2 Ball Bearing        |
| Max. Speed          | 8000 ± 10% RPM        |
| Max. Air Flow       | 115.61 CFM            |
| Noise Level         | 25.63 dBA – 64.4 dBA  |
| Thermal Performance | 250W@43°C ambient     |



**W3** Active Cooler for Tower PC. Direct Contact Aluminum Heat pipe Heat sink base and Fins. 120 x 120 x 25 mm PWN Fans with Maximum 2200 RPM Fan Speed, support CPU TDP up to 250 W.



|                     |                         |
|---------------------|-------------------------|
| Dimensions          | 125.0 x 79.0 x 158.0 mm |
| Weight              | 706 g                   |
| Ball Bearing        | 2 Ball Bearing          |
| Max. Speed          | 2200 ± 10% RPM          |
| Max. Air Flow       | 84.3 CFM                |
| Noise Level         | 14.26 dBA – 36.1 dBA    |
| Thermal Performance | 250@43°C ambient        |



▶ Socket  
**LGA 4926**

▶ CPU  
 Ampere®  
 Altra® Family



**W5** Copper fin and vapor chamber base. It is optimized for 1U servers and up, support for CPU heat dissipation of up to 253W.

|                     |                        |
|---------------------|------------------------|
| Dimensions          | 120.0 x 82.0 x 27.7 mm |
| Weight              | 517 g                  |
| Thermal Performance | 250W@33°C ambient      |

