

Thermal Component Matrix

CPU Heatsinks for Intel® UP, DP and MP Systems

| Photo | Part Number | Application | Socket Type | Supported CPU | Dimension L x W x H (mm) | Mounting Method | Fan Speed (RPM) | Noise (dBA) |
|--|--------------|--|-------------|--------------------------------------|--------------------------|---|-----------------|-------------|
|  | SNK-P1036P | B8 TwinBlade™ Server Rear-left Heatsink | LGA1366 | Intel® Xeon® 5500, 5600 Series | 99 x 97 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P1035P | B8 TwinBlade™ Server Rear-right Heatsink | LGA1366 | Intel® Xeon® 5500, 5600 Series | 99 x 97 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P1034P | B8 TwinBlade™ Server Front Heatsink | LGA1366 | Intel® Xeon® 5500, 5600 Series | 99 x 72 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P1033P | B9 14-Blade Servers | LGA2011 | Intel® Xeon® E5-2600 Series | 104 x 90 x 15 | Screws and Springs for Narrow ILM | N/A | N/A |
|  | SNK-P0050AP4 | X9 4U UP, DP Workstations | LGA2011 | Intel® Xeon® E5-1600, E5-2600 Series | 105 x 93 x 126 | Screws and Springs for Both Square and Narrow ILMs (BKT-0050L-RS and BKT-0050L-RN Included) | 3,800 | 38.0 |
|  | SNK-P0048PW | X9 2U Twin™ Server Rear Heatsink | LGA2011 | Intel® Xeon® E5-2600 Series | 90 x 116 x 64 | Screws and Springs for Square ILM | N/A | N/A |
|  | SNK-P0048PSC | X9 2U WIO+ DP Servers | LGA2011 | Intel® Xeon® E5-2600 Series | 104 x 80 x 64 | Screws and Springs for Narrow ILM | N/A | N/A |
|  | SNK-P0048PS | X9 2U+ UP, DP, MP Servers | LGA2011 | Intel® Xeon® E5-2600 Series | 104 x 80 x 64 | Screws and Springs for Narrow ILM | N/A | N/A |
|  | SNK-P0048P | X9 2U+ UP, DP Servers | LGA2011 | Intel® Xeon® E5-2600 Series | 90 x 90 x 64 | Screws and Springs for Square ILM | N/A | N/A |

| | | | | | | | | |
|--|--------------|--|--------------------|--|----------------|---|-------|------|
|  | SNK-P0048AP4 | X9 2U+ UP, DP Servers | LGA2011 | Intel® Xeon® E5-2600 Series | 85 x 80 x 65 | Screws and Springs for Both Square and Narrow ILMs (BKT-0048L-RS and BKT-0048L-RN Included) | 8,400 | 52.0 |
|  | SNK-P0047PW | X9 1U Twin™, 2U Twin ² ™ Server Rear Heatsink | LGA2011 | Intel® Xeon® E5-2600 Series | 90 x 116 x 27 | Screws and Springs for Square ILM | N/A | N/A |
|  | SNK-P0047PSC | X9 1U 3 or 4 GPU, B9 TwinBlade™ Server Front Heatsink | LGA2011 | Intel® Xeon® E5-2600 Series | 104 x 80 x 27 | Screws and Springs for Narrow ILM | N/A | N/A |
|  | SNK-P0047PS+ | MicroCloud Servers | LGA1155 | Intel® Xeon® E3-1200, Core™ i3 Series | 104 x 80 x 30 | Screws and Springs | N/A | N/A |
|  | SNK-P0047PS | X9 1U UP, DP, MP, B9 10-Blade Servers | LGA2011 | Intel® Xeon® E5-2600 Series | 104 x 80 x 27 | Screws and Springs for Narrow ILM | N/A | N/A |
|  | SNK-P0047P | X9 1U UP, DP Servers | LGA2011 | Intel® Xeon® E5-2600 Series | 90 x 90 x 27 | Screws and Springs for Square ILM | N/A | N/A |
|  | SNK-P0046P | X8, X9 1U UP Servers | LGA1156 LGA1155 | Intel® Xeon® X3400, E3-1200, Core™ i3 Series | 95 x 95 x 27 | Screws, Springs, and Mounting Bracket (BKT-0028L Included) | N/A | N/A |
|  | SNK-P0046A4 | X8, X9 2U+ UP Servers and Workstations | LGA1156 LGA1155 | Intel® Xeon® X3400, E3-1200, Core™ i3 Series | 90 x 90 x 70.7 | Push-in Pins | 2,800 | 33.5 |
|  | SNK-P0045P | X8 2U+ 4-way MP Servers | LGA1567 | Intel® Xeon® 7500, E7-4800 Series | 113 x 72 x 65 | Screws and Springs | N/A | N/A |
|  | SNK-P0044P+ | X8 8-way MP Servers | LGA1567 | Intel® Xeon® 7500, E7-4800 Series | 113 x 72 x 31 | Screws and Springs | N/A | N/A |
|  | SNK-P0044P | X8 1U 4-way MP Servers | LGA1567 | Intel® Xeon® 7500, E7-4800 Series | 113 x 72 x 27 | Screws and Springs | N/A | N/A |

| | | | | | | | | |
|--|--------------|--|--------------------|---|-----------------|--|-------|------|
|  | SNK-P0041 | X8, X9 1U DP Servers (X8DTL, X9DBL Front Heatsink) | LGA1366 LGA1356 | Intel® Xeon® 5500, 5600, E5-2400 Series | 90 x 90 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P0040AP4 | X8, X9 4U DP Workstations | LGA1366 LGA1356 | Intel® Xeon® 5500, 5600, E5-2400 Series | 106 x 100 x 126 | Screws and Springs | 2,400 | 25.0 |
|  | SNK-P0038PS | X8, X9 2U Twin™ Servers | LGA1366 LGA1356 | Intel® Xeon® 5500, 5600, E5-2400 Series | 90 x 90 x 64 | Screws and Springs | N/A | N/A |
|  | SNK-P0038P | X8, X9 2U+ DP Servers | LGA1366 LGA1356 | Intel® Xeon® 5500, 5600, E5-2400 Series | 90 x 90 x 64 | Screws and Springs | N/A | N/A |
|  | SNK-P0037P | X8, X9 1U UP, DP Servers | LGA1366 LGA1356 | Intel® Xeon® 5500, 5600, E5-2400 Series | 90 x 90 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P0036A4 | X8 2U+ UP Servers | LGA1366 | Intel® Xeon® 3500, 3600, 5500, 5600, Core™ i7 Series | 90 x 90 x 68 | Screws, Springs, and Mounting Bracket (BKT-0023L Included) | 4,200 | 45.0 |
|  | SNK-P0036 | X8 1U UP Servers | LGA1366 | Intel® Xeon® 3500, 3600, 5500, 5600, Core™ i7 Series | 90 x 90 x 27 | Screws, Springs, and Mounting Bracket (BKT-0023L Included) | N/A | N/A |
|  | SNK-P0035AP4 | X8, X9 4U UP, DP Workstations and Desktops | LGA1366 LGA1356 | Intel® Xeon® 3500, 3600, 5500, 5600, E5-2400, Core™ i7 Series | 106 x 100 x 126 | Screws, Springs, and Mounting Bracket (BKT-0023L Included) | 2,400 | 25.0 |
|  | SNK-P0034P | B8 10-Blade Servers | LGA1366 | Intel® Xeon® 5500, 5600 Series | 90 x 90 x 25 | Screws and Springs | N/A | N/A |
|  | SNK-P0033P | B8 14-Blade Servers | LGA1366 | Intel® Xeon® 5500, 5600 Series | 95 x 105 x 16 | Screws and Springs | N/A | N/A |

CPU Heatsinks for AMD UP, DP, and MP Systems

| Photo | Part Number | Application | Socket Type | Supported CPU | Dimension L x W x H (mm) | Mounting Method | Fan Speed (RPM) | Noise (dBA) |
|--|--------------|---|--------------------|--------------------------------|--------------------------|--|-----------------|-------------|
|  | SNK-P1036P | TwinBlade™, Quad Blade Server Rear-left Heatsink | Socket G34 LGA1944 | AMD Opteron™ 6100, 6200 Series | 99 x 97 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P1035P | TwinBlade™, Quad Blade Server Rear-right Heatsink | Socket G34 LGA1944 | AMD Opteron™ 6100, 6200 Series | 99 x 97 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P1034P | TwinBlade™, Quad Blade Server Front Heatsink | Socket G34 LGA1944 | AMD Opteron™ 6100, 6200 Series | 99 x 72 x 27 | Screws and Springs | N/A | N/A |
|  | SNK-P0050AP4 | 4U UP, DP Servers and Workstations | Socket G34 LGA1944 | AMD Opteron™ 6100, 6200 Series | 105 x 93 x 126 | Screws, Springs, and Mounting Bracket (BKT-0050L-G34 Not Included) | 3,800 | 38.0 |
|  | SNK-P0048AP4 | 2U UP, DP Servers | Socket C32 LGA1207 | AMD Opteron™ 4100, 4200 Series | 85 x 80 x 65 | Screws, Springs, and Mounting Bracket (BKT-0048L-C32 Not Included) | 8,400 | 52.0 |
|  | SNK-P0043P | 2U+ DP, MP Servers | Socket G34 LGA1944 | AMD Opteron™ 6100, 6200 Series | 113 x 72 x 62.5 | Screws and Springs | N/A | N/A |
|  | SNK-P0042P | 1U UP, DP, MP Servers | Socket G34 LGA1944 | AMD Opteron™ 6100, 6200 Series | 113 x 72 x 26.5 | Screws and Springs | N/A | N/A |
|  | SNK-P0024AP4 | 3U+ UP, DP Servers and Workstations | Socket C32 LGA1207 | AMD Opteron™ 4100, 4200 Series | 105 x 78 x 103 | Screws and Springs | 5,100 | 42.8 |
|  | SNK-P0023P+ | 2U, 4U MP Servers | Socket F LGA1207 | AMD Opteron™ 8000 Series | 98 x 74 x 62 | Screws and Springs | N/A | N/A |
|  | SNK-P0023P | 2U+ DP Servers | Socket C32 LGA1207 | AMD Opteron™ 4100, 4200 Series | 98 x 74 x 52 | Screws and Springs | N/A | N/A |



SNK-P0022+

1U UP, DP
Servers

Socket
C32
LGA1207

AMD
Opteron™
4100, 4200
Series

98 x 74 x 27

Screws and
Springs

N/A

N/A

System Fans

| Part Number | Example Application | Dimension (mm) | | | Rated Current (A) | Fan Speed (RPM) | Air Flow (CFM) | Static Pressure (in.H2O) | Noise (dBA) |
|-------------|--|----------------|-----|----|-------------------|-----------------------------------|----------------|--------------------------|-------------|
| | | L | W | H | | | | | |
| FAN-0139L4 | SC827, SC217 (Rear) | 60 | 60 | 38 | 1.10 | 13,000 | 56.5 | 2.19 | 61.5 |
| FAN-0138L4 | SC747 (Passive Cooling GPU) | 92 | 92 | 38 | 2.24 | 7,500 | 155.0 | 1.31 | 60.0 |
| FAN-0137L4 | SC827, SC217 (Option, Low Power Consumption) | 80 | 80 | 38 | 1.20 | 10,500 | 100.6 | 1.92 | 60.0 |
| FAN-0136L4 | SC827, SC217 (Option, High Performance) | 80 | 80 | 38 | 3.75 | 13,800 | 144.2 | 3.46 | 73.0 |
| FAN-0135L4 | SC813 Rev. M | 97 | 94 | 37 | 1.35 | 5,000 | 39.0 | 2.26 | 59.0 |
| FAN-0134L4 | SC829 | 60 | 60 | 38 | 1.10 | 13,000 | 56.5 | 2.19 | 61.5 |
| FAN-0133L4 | SC938 (Micro Cloud) | 80 | 80 | 38 | 1.95 | 11,000 | 116.5 | 2.14 | 62.5 |
| FAN-0130L4 | S835 (Option) | 80 | 80 | 38 | 1.95 | 11,000 | 116.5 | 2.14 | 62.5 |
| FAN-0129L4 | SC827, SC217 | 80 | 80 | 38 | 1.95 | 11,000 | 116.5 | 2.14 | 62.5 |
| FAN-0127L4 | SC846 | 80 | 80 | 38 | 0.60 | 7,000 | 72.5 | 1.09 | 53.5 |
| FAN-0126L4 | SC825, SC826 | 80 | 80 | 38 | 0.60 | 7,000 | 72.5 | 1.09 | 53.5 |
| FAN-0125L4 | SC836, SC846 (Rear) | 80 | 80 | 32 | 0.35 | 6,700 | 59.6 | 0.68 | 47.0 |
| FAN-0124L4 | SC732 | 120 | 120 | 25 | 0.13 | 1,850 | 58.8 | 0.09 | 24.0 |
| FAN-0123L4 | SC837 JBOD | 80 | 80 | 38 | 1.40 | 9,500 | 100.0 | 1.77 | 61.0 |
| FAN-0122L4 | SC758 (Rear) | 92 | 92 | 38 | 3.60 | 8,000 | 151.4 | 1.54 | 71.0 |
| FAN-0121L4 | SC758 (Middle) | 92 | 92 | 38 | 3.60 | 8,000 | 151.4 | 1.54 | 71.0 |
| FAN-0119L4 | SC219, SC829 (Redundancy) | 80 | 80 | 38 | 0.80 | 6,500 | 84.3 | 0.91 | 53.0 |
| FAN-0118L4 | SC828TQ-R1400 | 80 | 80 | 38 | 1.40 | 9,500 | 100.0 | 1.77 | 61.0 |
| FAN-0117L4 | SC818G, SC118G (Passive Cooling GPU) | 40 | 40 | 56 | 1.80 | 17,000 [Inlet] 13,000 [Outlet] | 33.5 | 2.61 | 65.0 |
| FAN-0116L4 | SC748TQ-R1400 (Rear) | 80 | 80 | 38 | 0.90 | 8,200 | 85.5 | 1.37 | 57.5 |
| FAN-0115L4 | SC748TQ-R1400 (Middle) | 92 | 92 | 38 | 2.24 | 7,500 | 155.0 | 1.31 | 60.0 |
| FAN-0114L4 | SC747 | 92 | 92 | 38 | 1.10 | 5,000 | 109.7 | 0.60 | 50.0 |
| FAN-0113L4 | SC731(Option) | 80 | 80 | 25 | 0.13 | 2,800 | 32.9 | 0.14 | 24.0 |
| FAN-0112L4 | SC478 | 80 | 80 | 38 | 1.40 | 9,500 | 100.0 | 1.77 | 61.0 |
| FAN-0111L4 | SC827, SC217 | 80 | 80 | 38 | 1.40 | 9,500 | 100.0 | 1.77 | 61.0 |
| FAN-0110L4 | SC808-780 | 40 | 40 | 56 | 0.70 | 15,500 [Inlet] 11,600 [Outlet] | 21.8 | 1.59 | 56.0 |
| FAN-0109L4 | SC848 | 80 | 80 | 38 | 0.80 | 6,500 | 84.3 | 0.91 | 53.0 |
| FAN-0108L4 | SC731 | 92 | 92 | 25 | 0.10 | 2,050 | 34.0 | 0.09 | 19.5 |

| | | | | | | | | | |
|------------|--|-----|-----|----|------|-----------------------------------|-------|------|------|
| FAN-0107L4 | SC808-780 | 40 | 40 | 28 | 0.40 | 12,500 | 16.3 | 0.85 | 44.0 |
| FAN-0106L4 | SC111, SC113M | 40 | 40 | 28 | 0.14 | 8,500 | 12.0 | 0.38 | 34.0 |
| FAN-0105L4 | SC733, SC735 | 120 | 120 | 25 | 0.13 | 1,850 | 58.8 | 0.09 | 24.0 |
| FAN-0104L4 | SC743 (SQ Middle) | 80 | 80 | 25 | 0.13 | 2,800 | 32.9 | 0.14 | 24.0 |
| FAN-0103L4 | SC743 (SQ Rear) | 92 | 92 | 25 | 0.15 | 2,400 | 40.0 | 0.12 | 25.0 |
| FAN-0102L4 | SC818, SC825M, SC815 | 40 | 40 | 56 | 0.70 | 12,000 [Inlet] 8,900 [Outlet] | 23.0 | 1.20 | 56.0 |
| FAN-0101L4 | SC809, SC816, SC819, SC808 | 40 | 40 | 56 | 1.00 | 14,400 [Inlet] 10,700 [Outlet] | 27.5 | 1.73 | 59.0 |
| FAN-0100L4 | SC510, SC511 | 40 | 40 | 28 | 0.12 | 8,500 | 12.0 | 0.38 | 34.0 |
| FAN-0099L4 | SC828 | 80 | 80 | 38 | 0.80 | 6,500 | 84.3 | 0.91 | 53.0 |
| FAN-0095L4 | SC846 | 80 | 80 | 38 | 1.10 | 6,300 | 90.0 | 0.85 | 51.0 |
| FAN-0094L4 | SC523, SC823, SC825, SC826, SC835, SC836, SC846, SC936 | 80 | 80 | 38 | 1.10 | 6,300 | 90.3 | 0.85 | 51.0 |
| FAN-0091L4 | SC743 (Option) | 92 | 92 | 38 | 0.58 | 4,000 | 89.9 | 0.40 | 43.0 |
| FAN-0090L4 | SC748 | 92 | 92 | 38 | 1.10 | 5,000 | 109.7 | 0.60 | 50.0 |
| FAN-0088L4 | SC513F, SC515, SC823M | 40 | 40 | 56 | 0.70 | 12,000 [Inlet] 8,900 [Outlet] | 23.0 | 1.20 | 56.0 |
| FAN-0087L4 | SC512F, SC811 | 40 | 40 | 56 | 0.70 | 12,000 [Inlet] 8,900 [Outlet] | 23.0 | 1.20 | 56.0 |
| FAN-0086L4 | SC815, SC818, SC825M | 40 | 40 | 56 | 0.80 | 12,000 [Inlet] 11,000 [Outlet] | 24.0 | 1.30 | 56.0 |
| FAN-0085L4 | SC816, SC819, SC808, SC809 | 40 | 40 | 56 | 1.00 | 13,300 [Inlet] 11,600 [Outlet] | 26.4 | 1.59 | 58.0 |
| FAN-0084L4 | Mobile Rack CSE-M28 | 80 | 80 | 38 | 0.58 | 5,000 | 68.3 | 0.53 | 45.0 |
| FAN-0083L4 | SC813 | 40 | 50 | 38 | 0.56 | 10,500 [Inlet] 10,100 [Outlet] | 23.1 | 0.70 | 57.5 |
| FAN-0082L4 | SC743, SC745, SC748 | 80 | 80 | 38 | 0.58 | 5,000 | 68.3 | 0.53 | 45.0 |
| FAN-0080L4 | SC932 | 92 | 92 | 32 | 0.38 | 3,500 | 70.8 | 0.31 | 38.0 |
| FAN-0078L4 | SC513, SC813M | 40 | 50 | 38 | 0.56 | 10,500 [Inlet] 10,100 [Outlet] | 23.1 | 0.70 | 57.5 |
| FAN-0077L4 | SC733 (Rear) | 120 | 120 | 38 | 0.68 | 4,000 | 148.3 | 0.60 | 51.0 |
| FAN-0076L4 | SC733 (Front) | 92 | 92 | 25 | 0.40 | 4,200 | 74.8 | 0.34 | 45.0 |
| FAN-0074L4 | SC743 | 80 | 80 | 38 | 0.58 | 5,000 | 68.3 | 0.53 | 45.0 |
| FAN-0065L4 | SC813MTQ, SC113MTQ | 40 | 40 | 28 | 0.45 | 13,000 | 23.1 | 1.07 | 52.5 |
| FAN-0064L4 | SC833, SC933 | 92 | 92 | 38 | 1.10 | 5,000 | 109.7 | 0.60 | 50.0 |
| FAN-0063L4 | SC832 | 92 | 92 | 32 | 0.55 | 4,300 | 88.5 | 0.46 | 44.0 |
| FAN-0062L4 | SC832, SC833, SC835, SC836, SC933, SC936 | 80 | 80 | 32 | 0.55 | 5,000 | 59.1 | 0.49 | 47.0 |
| FAN-0061L4 | SC512, SC811, SC813, SC813M | 40 | 40 | 28 | 0.35 | 12,500 | 16.3 | 0.85 | 44.0 |

| | | | | | | | | | |
|------------|---|-----|-----|----|------|-------|------|------|------|
| FAN-0059L4 | SC512, SC513, SC811, SC812, SC813 | 97 | 94 | 33 | 1.42 | 5,000 | 33.6 | 2.16 | 59.0 |
| FAN-0057L4 | Mobile Rack CSE-M34 / M35 | 92 | 92 | 32 | 0.23 | 2,850 | 56.3 | 0.21 | 32.0 |
| FAN-0051L4 | SC742 (Rear) | 120 | 120 | 38 | 0.14 | 2,000 | 71.3 | 0.17 | 32.5 |
| FAN-0046L4 | SC742 (Front) | 92 | 92 | 25 | 0.25 | 3,100 | 52.4 | 0.18 | 32.0 |
| FAN-0044L4 | SC822 | 80 | 80 | 25 | 0.30 | 3,750 | 48.5 | 0.23 | 36.0 |
| FAN-0038L4 | SC512, SC811, SC812L, SC813 | 97 | 94 | 33 | 0.69 | 3,200 | 28.3 | 0.95 | 53.5 |

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