



## NEW PRODUCT SPEC SHEET



### Model Number: P199

- Recommend For Intel® CPU, Socket LGA775
  - Core™ 2 Quad Q6700, Q6600
  - Core™ 2 Extreme X6800
  - Core™ 2 Duo E6850, up to 3.0GHz
  - Pentium® Dual-Core E2180, up to 2.0GHz
  - Pentium® D 960, up to 3.6GHz
  - Pentium® 4 672, up to 3.8GHz
  - Pentium® 4 Extreme Edition, up to 3.73GHz
  - Celeron® D 365, up to 3.6GHz
- Active Cooler for 1U Server

### Overall Specification:

- Dimension: 82.6mm x 81.0mm x 28.5mm
- Weight: 340g ±5g
- Material: Copper Heatsink with Skiving Fins
- Back Plate is included
- Thermal Grease Pre-Printed with GE-Toshiba TIG830SP
- Orientations switchable without board components interference
- Slim sized Backing Plate to avoid solder joint impact from all system-boards
- Support Power up to 130Watts refer to system arrangement

### Blower Specification:

- Dimension: Ø80.0 x 15.0 mm
- Bearing: Double-Ball
- Rated Voltage: 12V
- Rated Speed:
  - At Duty Cycle 0~20%: 1200 RPM
  - At Duty Cycle 50%: 2600 RPM
  - At Duty Cycle 100%: 5000 RPM

- Rated Input Power:
  - At Duty Cycle 0~20%: 0.60 W
  - At Duty Cycle 50%: 1.44 W
  - At Duty Cycle 100%: 9.6 W
- Rated Airflow:
  - At Duty Cycle 0~20%: 3.533 CFM
  - At Duty Cycle 50%: 7.654 CFM
  - At Duty Cycle 100%: 14.719 CFM
- Rated Static Pressure:
  - At Duty Cycle 0~20%: 2.083 mm-H<sub>2</sub>O
  - At Duty Cycle 50%: 9.780 mm-H<sub>2</sub>O
  - At Duty Cycle 100%: 36.168 mm-H<sub>2</sub>O
- Rated Acoustical Noise:
  - At Duty Cycle 0~20%: 20.71 dBA
  - At Duty Cycle 50%: 37.5 dBA
  - At Duty Cycle 100%: 51.7 dBA
- Lead Wire Pin Out:
  - Pin#1-Black(-)
  - Pin#2- Yellow(+)
  - Pin#3- Green(Tachometer/ Signal Output)
  - Pin#4- Blue (PWM)

### Active Cooler P199 Cooling Performance VS. Fan Speed & Noise:

