



## **NEW PRODUCT SPEC SHEET**

### **Model Number: K785**

- Recommend for Intel® Xeon® Processor E3 Family, Socket LGA1155  
2<sup>nd</sup> Generation Core™ i3 / i5 / i7 Desktop Processors, Socket LGA1155  
Previous Generation Core™ i3 / i5 / i7 Desktop Processors, Socket LGA1156
- Active Cooler for 2U Server & Up

#### **Overall Specification:**

- Dimension: 90.0 x 90.0 x 62.0 mm
- Weight: 500g ± 5g
- Material: Aluminum Extruded Radial Fin Heat Sink with Copper Inserted
- 7720 Top-Down Blowing Fan
- Screw Fastener Captive Mounting
- Back Strip is included
- TIG830SP Thermal Grease Pre-Printed
- Support CPU Power up to 95Watts

#### **Fan Specification:**

- Dimension: 77 x 77 x 20mm
- Bearing: Double-Ball
- Rated Voltage: 12V
- Rated Speed:
  - At Duty Cycle 0~20%: 1000 RPM
  - At Duty Cycle 50%: 2500 RPM
  - At Duty Cycle 100%: 4500 RPM
- Rated Input Power:
  - At Duty Cycle 0~20%: 0.84 W
  - At Duty Cycle 50%: 1.44 W
  - At Duty Cycle 100%: 6.0 W

- Rated Airflow:
  - At Duty Cycle 0~20%: 10.12 CFM
  - At Duty Cycle 50%: 25.30 CFM
  - At Duty Cycle 100%: 45.56 CFM
- Rated Static Pressure:
  - At Duty Cycle 0~20%: 0.185mm-H<sub>2</sub>O
  - At Duty Cycle 50%: 1.156mm-H<sub>2</sub>O
  - At Duty Cycle 100%: 3.746mm-H<sub>2</sub>O
- Rated Acoustical Noise:
  - At Duty Cycle 0~20%: 13.14 dBA
  - At Duty Cycle 50%: 33.04 dBA
  - At Duty Cycle 100%: 45.8 dBA
- Lead Wire Pin Out:
  - Pin#1-Black(-)
  - Pin#2- Yellow(+)
  - Pin#3- Green(Tachometer/ Signal Output)
  - Pin#4- Blue (PWM)

**Performance Chart, K785 Thermal Resistance VS. Cooling Fan Speed & Noise**

