



T450

1.5U Active Air Cooler

PRODUCT SPECIFICATIONS

T450 | Socket LGA 115X/1200

Model Number: T450

- Recommended for Intel® Processors As Following
 - Intel® Xeon® Processor E3 v4 Family, Socket FCLGA 1150
 - Intel® Xeon® E Processor/Intel Core™ i7 Processor, Socket FCLGA 1151;
 - Intel® Xeon® Processor E3 Family/Intel Core™ i5 Processor, Socket LGA 1155;
 - Intel® Core™ i9 Processor, Socket FCLGA 1200;
- Active Cooler for Mini-ITX Form Factor (with Chassis height 2-inches and up)

Overall Specification

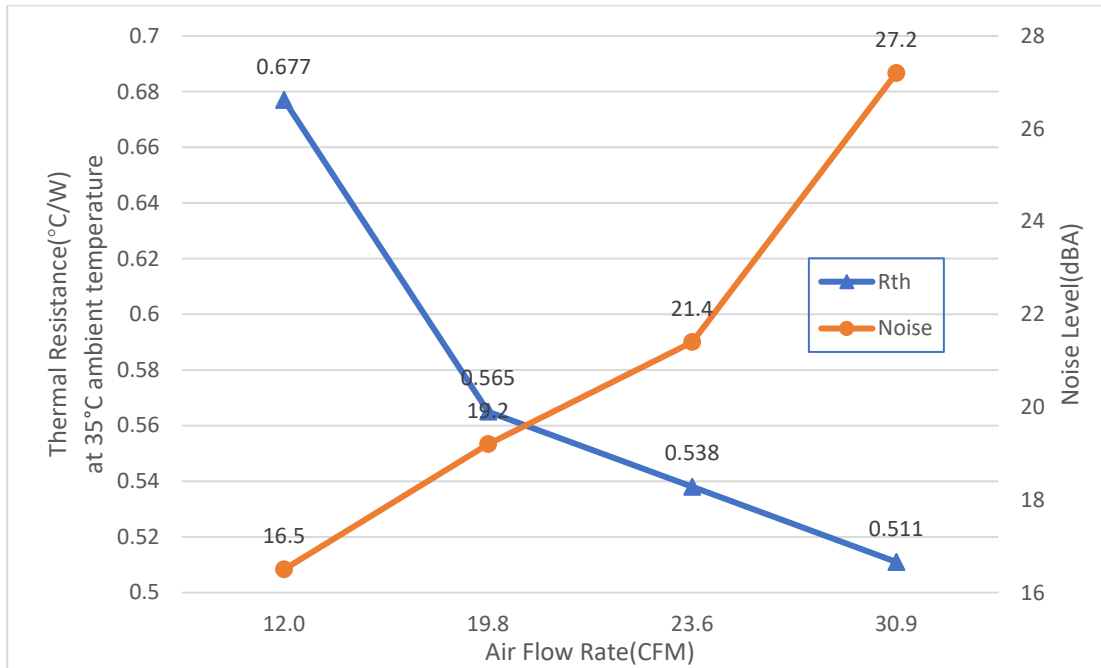
Dimension	ø93.0 x 31.0 mm
Weight	185g ± 5g
Material	Aluminum 6063-T5 Extruded Radial Fin Heat Sink
Fan	8015 Top-Down Blowing Fan
Mounting Method	Screw Fastener Captive Mounting
Back Strips	Interference-Free Heatsink Mounting Back Strips are Included
Thermal Grease	Pre-Printed TIG830SP Thermal Grease
TDP	Up to 65 Watts CPU Power Heat Dissipation

Fan Specification

Dimension	80mm x 80m x 15 mm
Bearing	Dual-Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 800 RPM At Duty Cycle 50%: 1500 RPM At Duty Cycle 100%: 2500 RPM
Input Power	At Duty Cycle 0~20%: 0.36 W At Duty Cycle 50%: 0.6 W At Duty Cycle 100%: 2.4 W
Maximum Airflow	At Duty Cycle 0~20%: 9.24 CFM At Duty Cycle 50%: 18.48 CFM At Duty Cycle 100%: 30.80 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.23 mm-H2O At Duty Cycle 50%: 0.93 mm-H2O At Duty Cycle 100%: 2.60 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 16.0 dBA At Duty Cycle 50%: 22.0 dBA At Duty Cycle 100%: 27.3 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+)

Pin#3- Green(Tachometer/ Signal Output)
Pin#4- Blue (PWM)

Performance Chart: Active Cooler T450 Thermal Resistance Cooling Performance vs. Airflow



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Cooling Performance vs. Fan Speed

