

E97378-001 Intel 12VDC LGA775 Aluminum CPU Cooler Fan Datasheet



SKU: [948459605880](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Description

The Intel E97378-001 is a specialized CPU thermal management solution designed specifically for the LGA775 socket architecture. Engineered with a robust 12VDC motor, this active cooling assembly integrates a high-efficiency aluminum heatsink with a PWM-controlled fan to optimize thermal impedance under varying processing loads. The unit features a 4-pin connector allowing for precise RPM modulation via the motherboard's BIOS, ensuring a balance between acoustic performance and heat dissipation. Its structural rigidity and radial fin design maximize airflow distribution across the processor surface, maintaining operational stability for compatible Intel Core 2 Duo and Quad series processors.

Model Number: E97378-001

Brand: Intel

Product Type: CPU Cooler Assembly

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.60 A

Power: 7.20 W

Socket Compatibility: LGA 775 (Socket T)

Heatsink Material: Aluminum Extrusion

Fan Diameter: 90mm (Approximate)

Bearing Type: Hydraulic Bearing

Speed Control: 4-Pin PWM

Connector Type: 4-Pin Motherboard Header

Mounting Mechanism: Push-Pin Clips

Airflow Direction: Down-Flow (Blow-Down)

Wire Count: 4 Wires

Compatible Processors: Intel Core 2 Duo, Core 2 Quad, Pentium Dual-Core

Operating Temperature: -10°C to +70°C

Life Expectancy: 40,000 Hours at 40°C

Cooling Method: Active Air Cooling

This thermal solution is primarily utilized in the maintenance and assembly of desktop workstations and industrial computing units requiring LGA775 socket support. The E97378-001 is essential for legacy system restoration, ensuring reliable cooling for Intel Core 2 Duo and Quad processors in office environments, point-of-sale terminals, and older server racks. Technicians frequently deploy the E97378-001 to replace failing stock coolers in mission-critical hardware where specific form factor and push-pin mounting compliance are mandatory for system uptime.

Supplemental Images

