

# NEWSRELEASE

## **ENERTRON**

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FOR IMMEDIATE RELEASE  
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### ENERTRON DESIGNS 1U HEAT SINK FOR AMD Opteron™ CPU

Mesa, AZ - October 20, 2003 - Enertron, a leading developer of thermal solutions for the microelectronic industries, recently announced the development of the PB64-1U Cooler, a compact heat sink for the AMD Opteron™ and Athlon™ 64 CPUs for use in 1U servers. This compact cooler will dissipate as much as 90 Watts of heat in a 40°C environment.

The compact cooler was designed to fit within the limited height of 1U environments. The heat sink features a copper base and high-density array of thin copper fins. Two dual-intake blowers are integrated into the heat sink to provide the forced convection, no other airflow ducting is required. The two blowers also offer redundancy protection; in case one blower fails, the second blower continues to cool the heat sink. The total thermal resistance ( $\theta_{c-a}$ ) of the PB64-1U cooler is 0.32°C/Watt.

A high performance interface pad is preinstalled. The heat sink is mounted to the CPU using the standard mounting plate. Custom mounting designs are available.

For more information on the PB64-1U Cooler, or a custom designed cooler, contact Enertron at 1-877-ENERTRON or at info@enertron-inc.com.

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