

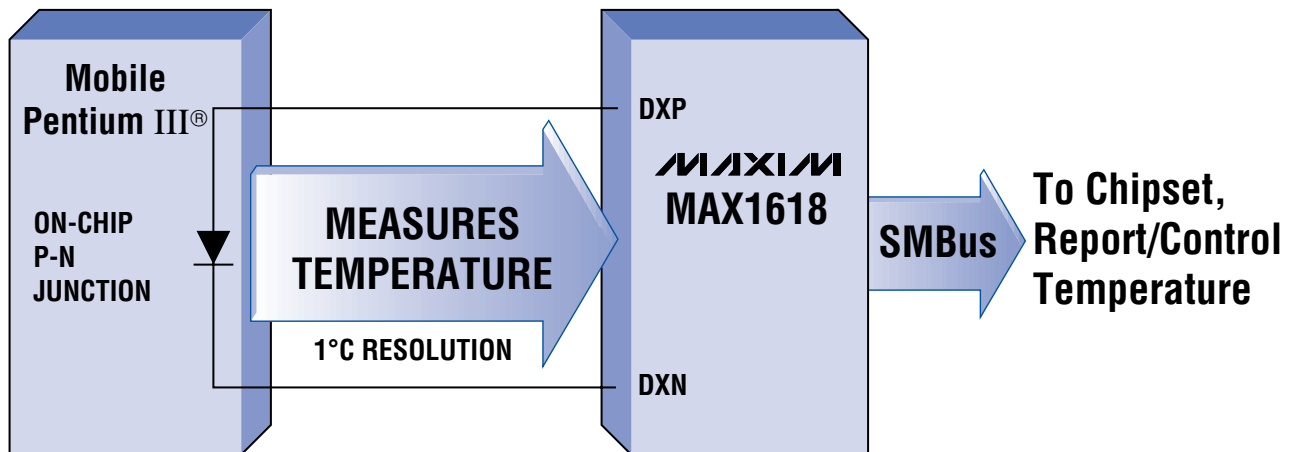
# WORLD'S SMALLEST REMOTE TEMPERATURE SENSOR SAVES CPUs



## Measures CPU Die Temperature and Activates Fan Directly

The MAX1618 reduces CPU heat accumulation, improves performance, and protects CPUs against destructive thermal overloads—all in a space-saving 10-pin  $\mu$ MAX package. The MAX1618 eliminates the guesswork in compensating for thermal mass and thermal gradients, preventing inaccuracies caused by improper heatsink mounting and variability in CPU die attachment. The programmable overtemperature output activates the fan, or signals an SMBus<sup>®</sup> alert to regulate the CPU temperature.

- ◆ Small 10-Pin  $\mu$ MAX Package
- ◆ Fan-Control/Alert Output
- ◆ Single Channel: Measures Remote CPU Temperature
- ◆ No Calibration Required
- ◆ Supports SMBus Alert Response
- ◆ SMBus 2-Wire Serial Interface
- ◆  $\pm 3^{\circ}\text{C}$  Accuracy
- ◆ 3 $\mu\text{A}$  Standby Supply Current



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