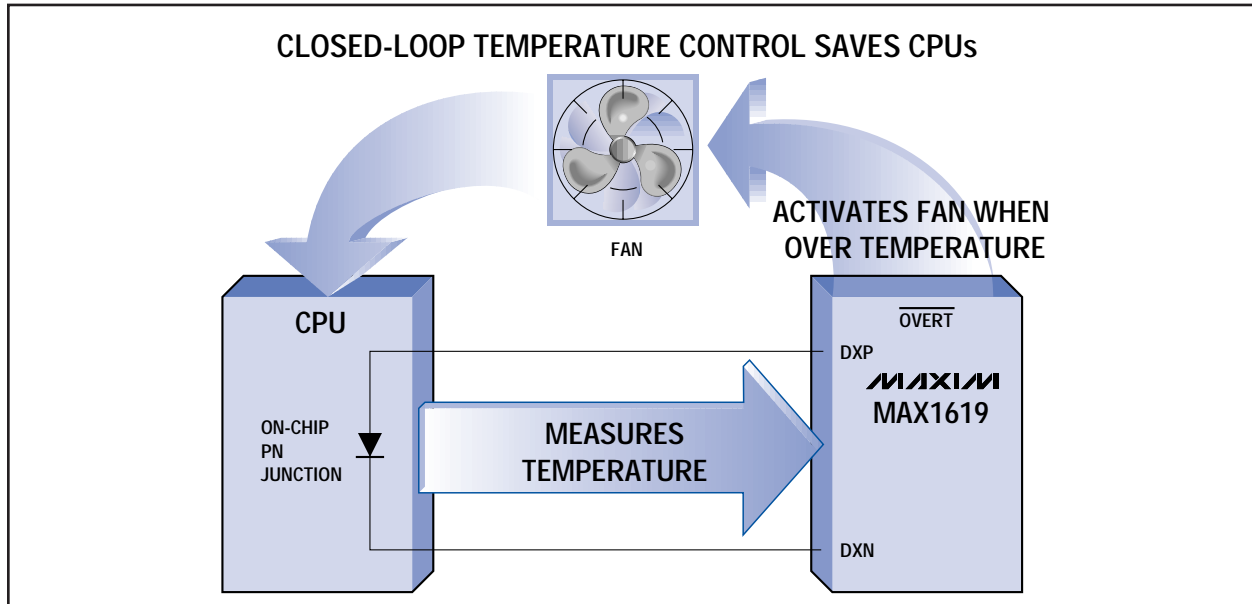


# WORLD'S FIRST DUAL-ALARM REMOTE TEMPERATURE SENSOR† SAVES CPUs

## Measure CPU Die Temperature and Activate Fan Directly

The MAX1619 reduces CPU heat build-up, improves performance, and protects your notebook against destructive thermal overloads. This remote temperature sensor eliminates the guesswork in compensating for thermal mass and thermal gradients, preventing inaccuracies caused by improper heatsink mounting and variability in CPU die attachment. An unlatched over-temperature output activates the fan, regulating the CPU temperature. The MAX1619 allows the highest possible clock rates while keeping within the CPU thermal envelope.



- ◆ Fan Control Output
- ◆ Supports SMBus® Alert Response
- ◆ SMBus 2-Wire Serial Interface
- ◆ Measures Remote P-N Junction; Measures Its Own Local Package Temperature
- ◆ ±3°C Remote Accuracy
- ◆ ±2°C Local Accuracy
- ◆ Programmable Temperature Thresholds
- ◆ ALERT Output
- ◆ 70µA max Operating Supply Current
- ◆ 3µA Standby Supply Current
- ◆ Small 16-Pin QSOP Package

†Patents pending.  
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