

ADM1021A

System Temperature Sensor

Product Overview

For complete documentation, see the data sheet.

The ADM1021A is a two-channel digital thermometer and undertemperature/overtemperature alarm, intended for use in personal computers and other systems requiring thermal monitoring and management.

Features

- On-chip and remote temperature sensing
- No calibration necessary
- 1°C accuracy for on-chip sensor
- 3°C accuracy for remote sensor
- Programmable overtemperature / undertemperature limits
- Programmable conversion rate
- 2-wire SMBus serial interface
- Supports system management bus (SMBus) alert
- 200 µA max operating current
- 1 µA standby current

For more features, see the data sheet



Applications

- Thermal Management

End Products

- Notebook and Desktop Computers
- Game Consoles
- RFID Readers

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Sensor Type	Data Transmission Standard	I _{CC} Max (mA)	V _{CC} Min (V)	V _{CC} Max (V)	T Min (°C)	T Max (°C)	Temperature Error (°C)	Package Type
ADM1021AARQZ-R	3.5332	 	Active	Local & Remote	SMBus	0.2	3	5.5	-55	125	±3	QSOP-16

Application Diagram

