

Digital Thermometer and Memory, Board Mount Temperature Sensors IC  
THERM/EEPROM DIG 256BYT

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-8
Product Type	Temperature Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DS1624S+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

DS1624S+ is a temperature sensor and thermostat IC (Integrated Circuit) developed by Maxim Integrated. Here are some of its features:

### Features

- Measures temperature with  $\pm 0.5^{\circ}\text{C}$  accuracy
- Uses a 2-wire serial interface for communication
- Can be powered with a single 3.0V to 5.5V supply
- Includes nonvolatile memory to store temperature data and user-defined limits
- Offers programmable temperature thresholds with nonvolatile (EEPROM) setpoints
- Provides two alarm outputs, which can be configured as either a thermostat or temperature event detector
- Supports up to eight DS1624S+ devices on a single 2-wire bus

### Application

- Industrial control systems
- Environmental monitoring systems
- Electronic test equipment
- Medical devices
- Power management systems
- Consumer electronics



**Related Products**



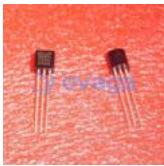
[DS18B20U+](#)

Analog Devices, Inc  
SOP-8



[DS1631Z+](#)

Analog Devices, Inc  
SOIC-8



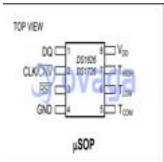
[DS1821C+](#)

Analog Devices, Inc  
TO-92



[DS600U](#)

Analog Devices, Inc  
SOP-8



[DS1626U](#)

Analog Devices, Inc  
MSOP-8



[DS18B20U](#)

Analog Devices, Inc  
MSOP-8



[DS1821](#)

Analog Devices, Inc  
SOP-8



[DS1721S+](#)

Analog Devices, Inc  
SOIC-8