

EEPROM, 1 Kbit, 4 x 256bit, Serial 1-Wire, TSOC, 6 Pins

Manufacturers	Analog Devices, Inc
Package/Case	TSOC-6
Product Type	Memory
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DS2431P+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DS2431P+ is a 1Kb 1-Wire EEPROM (Electrically Erasable Programmable Read-Only Memory) manufactured by Maxim Integrated. It is a small, low-power, and durable memory device that can be accessed via a single-contact serial interface, making it ideal for applications that require low-cost, low-speed, or remote data storage.

Features

- 1024 bits (128 bytes) of EEPROM memory
- Single-contact 1-Wire interface
- Operating voltage range of 2.8V to 5.5V
- Operating temperature range of -40°C to +85°C
- Overdrive mode for faster communication
- Built-in unique 64-bit serial number
- Factory-programmed 8-byte identification (ID) page
- Write protection for the entire memory array or individual pages
- 8-byte scratchpad for temporary storage of data
- Low standby current of 5µA (max)

Application

- Identification and authentication of electronic devices
- Data logging and storage for remote sensors and meters
- Asset tracking and management
- Access control and security systems
- Medical and healthcare devices
- Automotive and transportation systems
- Industrial automation and control systems



Related Products



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