

8-bit Microcontrollers - MCU 24bit ADC/embedded 8bit MCU+Flash Memory

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFP-52
Product Type	Embedded Processors & Controllers
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for ADUC824BSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADuC824 is 100% backward compatible (hardware and software) with the ADuC816. It is available in 52-pin PQFP or 56-pin CSP packages and operates on a 3V or 5V power supply.

## Features

2-Channel, Differential Input, Programmable Gain, Self-Calibrating, 24-Bit Primary ADC

3-Channel, Single-Ended Input, Self-Calibrating, 16-Bit Auxiliary ADC

Single 12-Bit Rail-to-Rail Voltage-Output DAC

Industry Standard 8052 Microcontroller

8K-Byte In-Circuit Re-Programmable Flash Program Memory

640-Byte Read/Write Accessible Non-Volatile Flash Data Memory

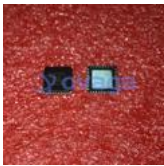
Precision Temperature Sensor

Programmable PLL Clock & Low Power Operating Modes

Voltage Reference, Serial Interface Ports, Watchdog Timer, Power Supply Monitor, etc

Embedded Download/Debug & Emulation Features

## Related Products



[ADUC7022BCPZ62](#)

Analog Devices, Inc  
LFCSP-40



[ADUC7020BCPZ62](#)

Analog Devices, Inc  
LFCSP-40



[ADUC841BSZ62-5](#)

Analog Devices, Inc  
QFP-52



[ADUC841BSZ62-3](#)

Analog Devices, Inc  
QFP-52



[ADUC831BSZ](#)

Analog Devices, Inc  
QFP-52



[ADSP-BF527BBCZ-5A](#)

Analog Devices, Inc  
BGA-208



[ADSP-21369BBPZ-2A](#)

Analog Devices, Inc  
SBGA-256



[ADSP-BF561SBBCZ-5A](#)

Analog Devices, Inc  
CSPBGA-256