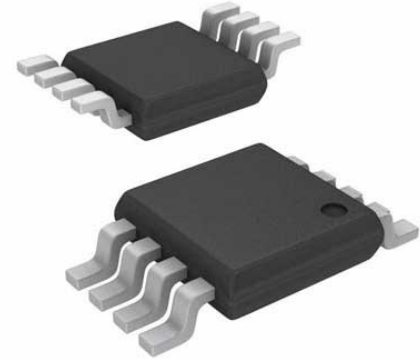


16V Low Cost, High Performance CMOS Rail-to-Rail Operational Amplifiers

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD8662ARMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD8661 / AD8662 / AD8664 are rail-to-rail output, single-supply amplifiers that use the Analog Devices, Inc., patented DigiTrim® trimming technique to achieve low offset voltage. The AD8661 / AD8662 / AD8664 series features extended operating ranges, with supply voltages up to 16 V. It also features low input bias current, wide signal bandwidth, and low input voltage and current noise.

The combination of low offset, very low input bias current, and a wide supply range makes these amplifiers useful in a wide variety of applications usually associated with higher priced JFET amplifiers. Systems using high impedance sensors, such as photodiodes, benefit from the combination of low input bias current, low noise, low offset, and wide bandwidth. The wide operating voltage range meets the demands of high performance analog-to-digital converters (ADCs) and digital-to-analog converters (DACs). Audio applications and medical monitoring equipment can take advantage of the high input impedance, low voltage, low current noise, and wide bandwidth.

The single AD8661 is available in a narrow 8-lead SOIC package and a very thin, dual lead, 8-lead LFCSP. The AD8661 SOIC package is specified over the extended industrial temperature range of -40°C to +125°C. The AD8661 LFCSP is specified over the industrial temperature range of -40°C to +85°C. The AD8662 is available in a narrow 8-lead SOIC package and an 8-lead MSOP, both specified over the extended industrial temperature range of -40°C to +125°C. The AD8664 is available in a narrow 14-lead SOIC package and a 14-lead TSSOP, both with an extended industrial temperature range of -40°C to +125°C.

## Features

Low offset voltage: 100  $\mu$ V maximum at  $>$

Low input bias current: 1 pA maximum

Single-supply operation: 5 V to 16 V

Low noise: 10 nV/ $\sqrt{\text{Hz}}$

Wide bandwidth: 4 MHz

Unity-gain stable

Small package options

3 mm  $\times$  3 mm 8-lead LFCSP

8-lead MSOP and narrow SOIC

14-lead TSSOP and narrow SOIC

## Application

Sensors

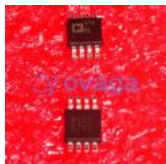
Medical equipment

Consumer audio

Photodiode amplification

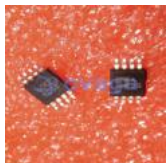
ADC drivers

## Related Products



### [AD8418BRMZ-RL](#)

Analog Devices, Inc  
MSOP-8



### [ADA4084-2ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [AD8567ARUZ](#)

Analog Devices, Inc  
TSSOP-14



### [AD8022ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [ADA4528-2ARMZ-R7](#)

Analog Devices, Inc  
MSOP-8



### [AD8062ARMZ](#)

Analog Devices, Inc  
MSOP8



### [AD8628AUJZ](#)

Analog Devices, Inc  
SOP23



### [AD8041AR](#)

Analog Devices, Inc  
SOP-8