

+/-15 kV ESD Protected, 3.3 V, RS-232 Line Driver/Receiver

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-16
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADM3232EARNZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

All RS-232 (T\_OUT and R\_IN) and TTL/CMOS (T\_IN and R\_OUT) inputs and outputs are protected against electrostatic discharges (up to ±15 kV ESD protection). This ensures compliance with IEC 1000-4-2 requirements.

This device is ideally suited for operation in electrically harsh environments or where RS-232 cables are frequently plugged/ unplugged, with the ±15 kV ESD protection of the ADM3232E input/output pins.

Emissions are also controlled to within very strict limits. CMOS technology is used to keep the power dissipation to an absolute minimum, allowing maximum battery life in portable applications.

Four external 0.1 μF charge pump capacitors are used for the voltage doubler/inverter, permitting operation from a single 3.3 V supply.

The ADM3232E is available in a 16-lead narrow SOIC package, as well as a space-saving 16-lead TSSOP.

### Applications

General-purpose RS-232 data link

Portable instruments

Handsets

Industrial/telecom diagnostic ports

## Features

Data rate: 460 kbps

2 Tx and 2 Rx

Meets EIA-232E specifications

0.1  $\mu$ F charge pump capacitors

ESD protection to IEC1000-4-2 (801.2) on TTL/CMOS and RS-232 I/Os

Contact discharge:  $\pm 8$  kV

Air gap discharge:  $\pm 15$  kV

## Application

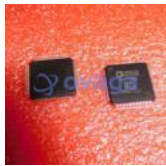
General-purpose RS-232 data link

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## Related Products



### [ADV7181CBSTZ](#)

Analog Devices, Inc  
LQFP-64



### [AD724JR](#)

Analog Devices, Inc  
SOIC-16



### [ADV7391WBCPZ](#)

Analog Devices, Inc  
LFSCP-3



### [ADV7341BSTZ](#)

Analog Devices, Inc  
LQFP-64



### [AD8170AR](#)

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### [ADV7393BCPZ](#)

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LFCSP-VQ-40



### [ADV7390BCPZ](#)

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### [ADUM4160BRIZ](#)

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