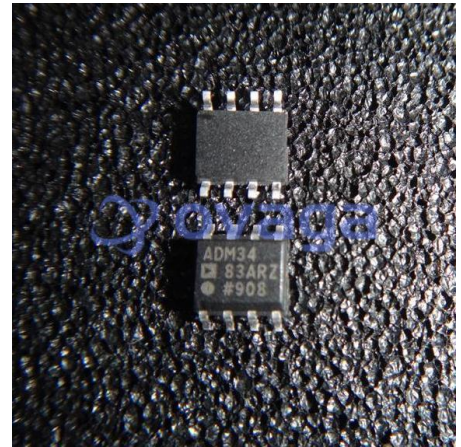


3.3 V Slew Rate Limited, Half- and Full-Duplex, RS-485/RS-422 Transceivers

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-8
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADM3483ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADM3488/ADM3490/ADM3491 feature full-duplex communication, while the ADM3483/ADM3485 are designed for half-duplex communication.

The ADM3483/ADM3488 feature slew rate limited drivers that minimize EMI and reduce reflections caused by improperly terminated cables, allowing error-free data transmission at data rates up to 250 kbps.

The ADM3485/ADM3490/ADM3491 transmit at up to 10 Mbps. The receiver input impedance is 12 kΩ, allowing up to 32 transceivers to be connected on the bus. A thermal shutdown circuit prevents excessive power dissipation caused by bus contention or by output shorting. If a significant temperature increase is detected in the internal driver circuitry during fault conditions, then the thermal shutdown circuit forces the driver output into a high impedance state. If the inputs are unconnected (floating), the receiver contains a fail-safe feature that results in a logic high output state. The parts are fully specified over the commercial and industrial temperature ranges. The ADM3483/ADM3485/ADM3488/ADM3490 are available in 8-lead SOIC\_N; the ADM3491 is available in a 14-lead SOIC\_N.

### Applications

Low-Power RS-485/RS-422 Applications

Telecom

Industrial Process Control

HVAC

## Features

Operate with 3.3 V supply

Interoperable with 5 V logic

EIA RS-485/RS-422 Compliant over Full Common-mode Range

Data Rate Options:250kbps

Half and Full Duplex Options

Reduced Slew Rates for Low EMI

2nA Supply Current in Shutdown Mode

Up to 32 Transceivers on a Bus

Specified over -40°C to +85°C Temperature Range

Available in 8-Lead SOIC

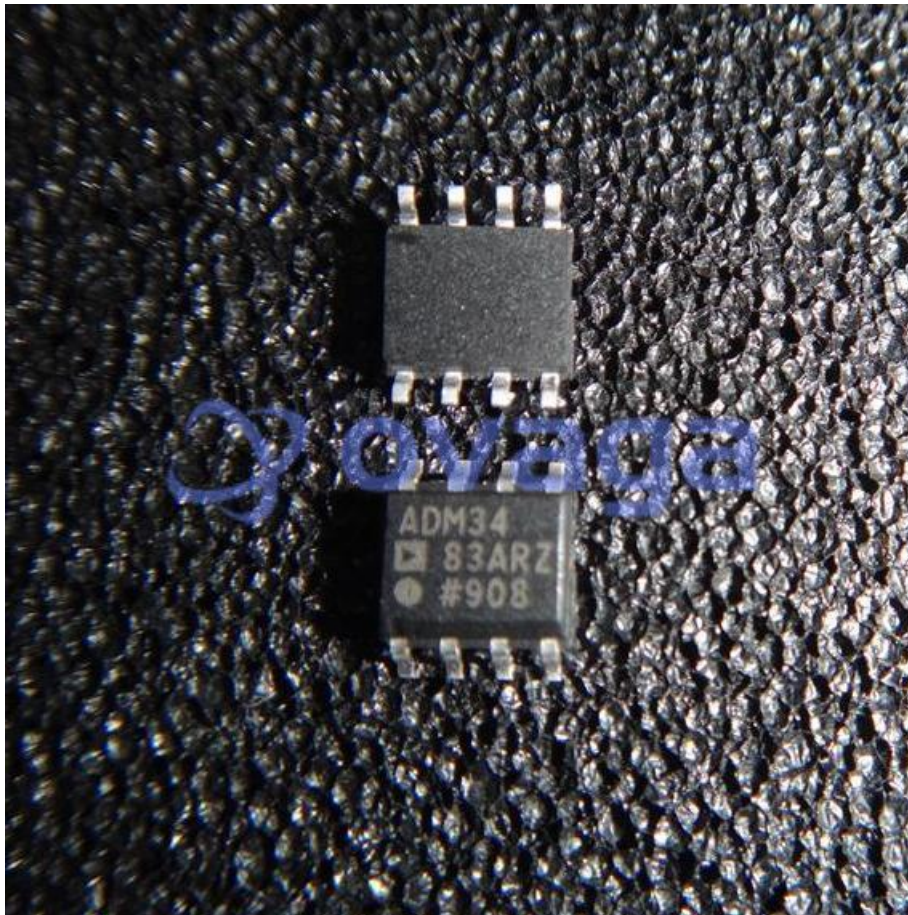
## Application

Low-Power RS-485/RS-422

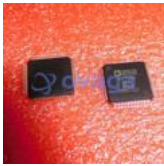
Telecom

Industrial Process Control

HVAC



## Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc  
LQFP-64



[AD8170AR](#)

Analog Devices, Inc  
SOP8



[AD724JR](#)

Analog Devices, Inc  
SOIC-16



[ADV7393BCPZ](#)

Analog Devices, Inc  
LFCSP-VQ-40



[ADV7391WBCPZ](#)

Analog Devices, Inc  
LFSCP-3



[ADV7390BCPZ](#)

Analog Devices, Inc  
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc  
LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc  
SOIC-16