

## Single Transmitter/Receiver RS-422/RS-485 8-Pin SOIC N



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** SOP-8

**Product Type:** Drivers

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The MAX481, MAX483, MAX485, MAX487–MAX491, and MAX1487 are low-power transceivers for RS-485 and RS-422 communication. Each part contains one driver and one receiver.

### Key Features

Low Power Consumption Minimizes Thermal Dissipation, Reducing System Cost

120µA to 500µA Quiescent Current

Shutdown Current of 0.1µA

Single 5V Supply Voltage

Slew-Rate-Limited Drivers (MAX483/MAX487/MAX488 and MAX489)

Up to 250kbps Data Rate

Unlimited Drivers: Up to 2.5Mbps Data Rate

Integrated Protection Enhances System Robustness

Short Circuit Current Limited Driver

Integrated Thermal Shutdown

Receiver Fail-Safe for Input Open Circuit

Guarantees Logic High

1/4 Unit Loading (MAX487/ MAX1487 only) Allows Up to 128 Devices on a Single Bus

48kΩ Receiver Input Resistance

### Application

Industrial-Control Local Area Networks

Level Translators

Low-Power RS-422 Transceivers

Low-Power RS-485 Transceivers

Transceivers for EMI-Sensitive Applications

### Recommended For You

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**MAX7321AEE+**

Analog Devices, Inc  
SSOP16

**MAX9180EXT-T**

Analog Devices, Inc  
SC70-6

**MAX7313AEG+**

Analog Devices, Inc  
SSOP24

**MAX232AEWE+**

Analog Devices, Inc  
SOP16

**MAX14931CASE+T**

Analog Devices, Inc  
16-SOIC

**MAX7325ATG+**

Analog Devices, Inc  
QFN-24

**MAX14824GTG+**

Analog Devices, Inc  
TQFN24

**MAX9259GCB/V+**

Analog Devices, Inc  
TQFP64

**MAX7319ATE+T**

Analog Devices, Inc  
TQFN16

**MAX5940AESA+T**

Analog Devices, Inc  
SOP8

**MAX3451EETE-T**

Analog Devices, Inc  
BGA

**MAX3452FEUD+**

Analog Devices, Inc  
BGA

**MAX3120EUA+T**

Analog Devices, Inc  
MSOP-8

**MAX3131CAI-T**

Analog Devices, Inc  
BGA

**MAX7312AUG+T**

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TSSOP