

TRANSCEIVERS, DRIVERS



AHEAD OF WHAT'S POSSIBLE™

The **RS-232** specification allows for reliable data transmission from one transmitter to one receiver at data rates of up to 20 kbps over relatively short distances (up to 50 feet). On more recent RS-232 transceiver chips, data rates of up to 1 Mbps are achievable over shorter distances (up to 5 feet). The most common applications for RS-232 transceivers are computers and peripherals, mobile phone data cables, and diagnostic data ports.

The **RS-485** specification meets the requirements for a truly multipoint communications network, and the standard specifies up to 32 drivers and 32 receivers on a single (2-wire) bus. Some RS-485 transceivers modify the input impedance to allow up to 8× more nodes to be connected to the same bus. Analog Devices offers a wide range of standard RS-485/RS-422 transceivers and iCoupler® isolated RS-485/RS-422 transceivers to suit many applications.

Mfg. Part No.	Case Style	Supply Voltage	No. of Drivers	Stock No.	Tape Cut 1-9+
RS232 Transceiver					
ADM3101EACPZ-250R7	LFCSP-12	3Vto5.5V	1Drivers	50M0780	---
ADM3232EARNZ	NSOIC-16	3Vto5.5V	2Drivers	28M3736	---
ADM3101EARQZ	QSOP-16	3Vto5.5V	1Drivers	84M7773	---
ADM213ARSZ	SSOP-28	4.5Vto5.5V	4Drivers	59K2008	---
ADM32312EARUZ	TSSOP-24	2.7Vto3.6V	3Drivers	59K2091	---
ADM32315EARUZ	TSSOP-24	2.7Vto3.6V	3Drivers	59K2097	---
RS422 / RS485 Transceiver					
ADM4853ARZ	NSOIC-8	4.75Vto5.25V	1Drivers	12M8025	---

PIM_136330

RS232 TRANSCEIVERS



A New Direction in Mixed-Signa

Applications:

- Factory automation
- Point-of-Sale(POS) equipment
- Industrial and single board computers
- Industrial and process control equipment

- HVAC controls
- Telecommunication equipment
- Gaming machines
- Network switches and data routers

Exar offers a large portfolio of RS-232 serial transceivers. The family consists of traditional RS-232 transceivers to the more advanced RS-232 transceivers with Auto On-line Plus and low voltage logic (1.65V to 5.5V I/O logic supply) features. In addition, many of the RS-232 transceivers have enhanced ESD protection. Exar offers new RS-232 products that meet rigid IEC 61000-4-2 air-gap and contact ESD standards. This protection makes the product immune to damage from ESD strikes. Many of the devices are drop-in replacements and functional equivalents to existing industry standard solutions.

NO suffix - contains Pb
"- L" suffix - RoHS Compliant

Mfg. Part No.	Case Style	Supply Voltage	No. of Drivers	Stock No.	Price Each 1-24+
RS232 Transceiver					
● SP3232CPL-L	DIP-16	3Vto5.5V	2Drivers	24R0372	----
● SP202EEP-L	DIP-16	4.5Vto5.5V	2Drivers	23R9990	----
● SP232ACP-L	DIP-16	4.5Vto5.5V	2Drivers	24R0078	----
● SP232AEP-L	DIP-16	4.5Vto5.5V	2Drivers	24R0083	----
● SP232EEP-L	DIP-16	4.5Vto5.5V	2Drivers	24R0093	----
● SP232ACP-L	DIP-20	4.5Vto5.5V	2Drivers	24R0096	----
● SP3232EBEN-L	NSOIC-16	3Vto5.5V	2Drivers	24R0361	----
● SP232ACN-L	NSOIC-16	4.5Vto5.5V	2Drivers	24R0076	----
● SP3232EEN-L	SOIC-16	3Vto5.5V	2Drivers	24R0379	----
● SP3232EET-L	SOIC-16	3Vto5.5V	2Drivers	24R0382	----
● SP3232EUCN-L	SOIC-16	3Vto5.5V	2Drivers	24R0402	----
● SP202ECN-L	SOIC-16	4.5Vto5.5V	2Drivers	23R9983	----
● SP202EET-L	SOIC-16	4.5Vto5.5V	2Drivers	23R9991	----
● SP232ECT-L	SOIC-16	4.5Vto5.5V	2Drivers	24R0089	----
● SP232EET-L	SOIC-16	4.5Vto5.5V	2Drivers	24R0094	----
● SP3222EET-L	SOIC-18	3Vto5.5V	2Drivers	24R0278	----
● SP312ECT-L	SOIC-18	4.5Vto5.5V	2Drivers	24R0213	----
● SP233ACT-L	SOIC-20	4.5Vto5.5V	2Drivers	24R0097	----
● SP233AET-L	SOIC-20	4.5Vto5.5V	2Drivers	24R0100	----
● SP3220ECA-L	SSOP-16	3Vto5.5V	1Drivers	24R0242	----
● SP3220EEA-L	SSOP-16	3Vto5.5V	1Drivers	24R0246	----
● SP3224EEA-L	SSOP-20	3Vto5V	2Drivers	24R0322	----
● SP385ECA-L	SSOP-20	3Vto5V	2Drivers	24R0539	----
● SP208ECA-L	SSOP-24	4.5Vto5.5V	4Drivers	24R0024	----
● SP208EEA-L	SSOP-24	4.5Vto5.5V	4Drivers	24R0028	----
● SP3243EBCA-L	SSOP-28	3Vto5.5V	3Drivers	24R0425	----
● SP3243CA-L	SSOP-28	3Vto5.5V	3Drivers	24R0441	----
● SP3243EEA-L	SSOP-28	3Vto5.5V	3Drivers	24R0447	----
● SP3243EUA-L	SSOP-28	3Vto5.5V	3Drivers	24R0461	----
● SP3243UEA-L	SSOP-28	3Vto5.5V	3Drivers	24R0469	----
● SP3238EA-L	SSOP-28	3Vto5.5V	5Drivers	24R0417	----
● SP211EEA-L	SSOP-28	4.5Vto5.5V	4Drivers	24R0052	----
● SP3220ECY-L	TSSOP-16	3Vto5.5V	1Drivers	24R0244	----
● SP3220EY-L	TSSOP-16	3Vto5.5V	1Drivers	24R0248	----

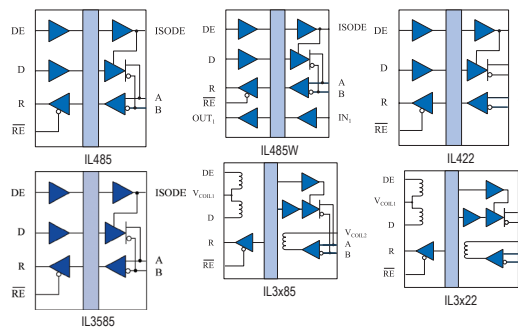
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RS232 TRANSCEIVERS (CONT.)

Mfg. Part No.	Case Style	Supply Voltage	No. of Drivers	Stock No.	Price Each 1-24+
RS232 Transceiver					
● SP3232EBY-C	TSSOP-16	3Vto5.5V	2Drivers	24R0357	---
● SP3232EBEY-L	TSSOP-16	3Vto5.5V	2Drivers	24R0366	---
● SP3232ECY-L	TSSOP-16	3Vto5.5V	2Drivers	24R0375	---
● SP3232EEY-L	TSSOP-16	3Vto5.5V	2Drivers	24R0384	---
● SP3232EUCY-L	TSSOP-16	3Vto5.5V	2Drivers	24R0407	---
● SP3222EBEY-L	TSSOP-20	3Vto5.5V	2Drivers	24R0268	---
● SP3222EEY-L	TSSOP-20	3Vto5.5V	2Drivers	24R0280	---
● SP3222EUCY-L	TSSOP-20	3Vto5.5V	2Drivers	24R0286	---
● SP3223ECY-L	TSSOP-20	3Vto5.5V	2Drivers	24R0304	---
● SP3203EEY-L	TSSOP-20	3Vto5.5V	3Drivers	24R0231	---
● SP3244ECY-L	TSSOP-28	3Vto5V	3Drivers	24R0479	---
● SP3243EBY-C	TSSOP-28	3Vto5.5V	3Drivers	24R0341	---
● SP3243EBEY-L	TSSOP-28	3Vto5.5V	3Drivers	24R0439	---
● SP3238EEY-L	TSSOP-28	3Vto5.5V	5Drivers	24R0419	---
● SP3232ECT-L	WSOIC-16	3Vto5.5V	2Drivers	24R0373	---
● SP310ECT-L	WSOIC-18	4.5Vto5.5V	2Drivers	24R0204	---

PIM_156281

IL4- and IL3- SERIES ISOLATED RS-422, RS-485, PROFIBUS, AND CAN TRANSCEIVERS



Features:

- 3 V or 5 V Power Supply
- Low Quiescent Supply Current
- Digital and Passive Input Versions
- 25,000 Year Barrier Life
- 0.15" and 0.3"-Wide 16-pin SOIC

NVE's award-winning **IL4-** and **IL3-Series** single-chip isolated transceivers dramatically reduce chip count and board area compared to traditional optocouplers. Unique 0.15" SOIC packages for some parts reduce board area even more.

Mfg. Part No.	Case Style	Supply Voltage	No. of Drivers	Stock No.	Price Each 1-9+
RS422 / RS485 Transceiver					
● IL3422E	SOIC-16	3Vto5.5V	1Drivers	03M8152	---
● IL3222E	SOIC-16	3Vto5.5V	1Drivers	93K6261	---
● IL3485E	SOIC-16	3Vto5.5V	1Drivers	93K6262	---
● IL3522E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	41T3891	6.47
RS422 Transceiver					
● IL3122E	SOIC-16	3Vto5.5V	1Drivers	93K6260	4.77
● IL3122-3E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	41T3885	4.77
● IL3222-3E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	41T3887	---
● IL3422-3E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	41T3889	4.49
● IL422E	SOIC-16	4.5Vto5.5V	1Drivers	93K6264	13.80
RS485 Transceiver					
● IL3185E	SOIC-16	3Vto5.5V	1Drivers	03M8150	4.77
● IL3285E	SOIC-16	3Vto5.5V	1Drivers	03M8151	---
● IL3585E	SOIC-16	3Vto5.5V	1Drivers	93K6263	7.20
● IL485E	SOIC-16	3Vto5.5V	1Drivers	93K6265	14.45
● IL3185-3E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	41T3886	4.77
● IL3285-3E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	41T3888	4.45
● IL3485-3E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	41T3890	---
● IL3685E	SOIC-16	3Vto5.5V,4.5Vto5.5V	1Drivers	90T0849	---
● IL485WE	SOIC-16	4.5Vto5.5V	1Drivers	93K6266	10.11

Accessories

Mfg. Part No.	Description	Stock No.	Price Each
			1+
● IL 3585-01	Evaluation Board for Transceivers and Drivers	9475282	70 26

PIM 88869