



Model SSP-200/300
Single Port RS-422/485
Serial PCMCIA Card
With cable

Serial PCMCIA cards are a flexible low-cost interface choice for a wide variety of applications including field data collection, industrial monitoring and control, satellite communication, and office automation.

These serial PC cards are small, light, and have low power requirements to reduce battery drain. Windows CE drivers enable the card to be used in most popular handheld devices where ports are increasingly scarce. It is implemented with 16750 UARTs containing 64-byte FIFOs that, in conjunction with a special clock-multiplying feature, can provide industry leading speeds of up to 921.6 kbps.

The card can be configured for full-duplex or half-duplex operation. To further increase performance, an auto toggle feature for the RS-422/485 transmitter in half-duplex mode permits the hardware itself to regulate data flow by only driving lines while actively transmitting—providing increased speed and convenience over the older software controlled method.

Features:

- One serial port
- Configurable for RS-422 or RS-485
- Speeds up to 921.6 kbps
- Auto enable/disable RS-422/485 transmitter
- Full-duplex or half-duplex operation
- Plug & Play and Hot Swap capability
- Low power requirements
- Ruggedized case with removable cable
- Windows 9x/Me/NT/2000/XP/CE, Linux, OS/2

Specifications:

Bus Interface: 16-bit PCMCIA,
Release 8 & backward compliant

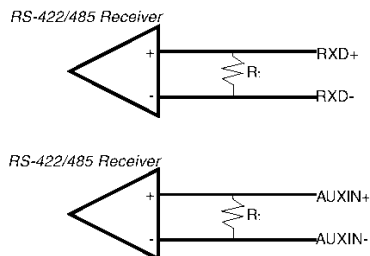
OS Support: Windows CE/9x/Me/NT/2000/XP, Linux, OS/2

Data Rate: 921.6 kbps (max)*
**Actual baud rates can be affected by cabling and other factors*

UARTs: 16750 UARTs with 64-byte FIFOs

Ports: One serial port configurable as RS-422
or RS-485 for full-duplex or half-duplex operation.

Termination Resistors:



**Termination
Resistor Values**

RS-422: 100Ω
1/2W resistor

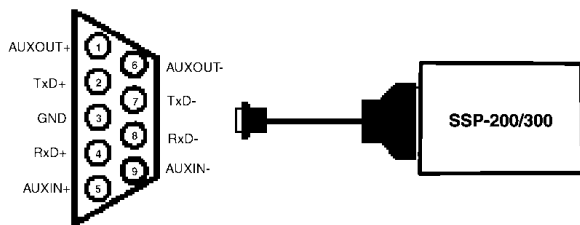
RS-485: 60Ω total
(120Ω at each end)

International Headquarters:

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- Transceivers: 3491 or compatible
Auto enable/disable of RS-422/485 transmitter
- Drivers: Differential Voltage: $\pm 3.3V$
Transition Time (TLH): 52 ns (typ)
Transition Time (THL): 60 ns (typ)
- Receive Buffers: Differential Input Threshold: $\pm 0.2V$
Voltage Range: -7V to +12V
Common Mode Input
Transition Time: (THL-TLH): 65 ns (typ)
- Environment: Operating: 0°C to 70°C
Storage: -50°C to 80°C
Humidity: 10% to 90%
- Power Requirements: 20mA @ 5V* (typ)
35mA @ 5V* (max)
*Compatible with 3.3V & 5V systems
- Size: Type II PCMCIA Card package
- Connector: The SSP-200/300 includes a removable cable that provides a single port DB9 female connector.
The pinout for this connector is shown below.



PIN 1	AUXOUT+	Auxiliary Output+
PIN 2	TxD+	Data Output+
PIN 3	GND	Signal Ground
PIN 4	RxD+	Data Input+
PIN 5	AUXIN+	Auxiliary Input+
PIN 6	AUXOUT-	Auxiliary Output-PIN
PIN 7	TxD-	Data Output-PIN
PIN 8	RxD-	Data Input-PIN
PIN 9	AUXIN-	Auxiliary Input-

Certifications: CE, FCC Class B

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