

SPECIFICATIONS

PCI-COM232 Series

PCI-to-RS-232 Interface



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Typical for 25°C unless otherwise specified.

POWER CONSUMPTION

PCI-COM232	+5V: 220 mA typical
PCI-COM232/2	+5V: 225 mA typical
PCI-COM232/4	+5V: 230 mA typical

COMMUNICATIONS SPECIFICATIONS

UART Type	16C550 with 16 byte FIFO
Baud Rate	300 baud to 115.2 Kbaud standard mode 1200 baud to 460.8 Kbaud extended rate mode

INPUT/OUTPUT SECTION

Transceiver type	SP211H
Transceiver Output Characteristics	
Output Voltage Range	±5V min., ±7V typ
Short Circuit Current (infinite duration)	±25 mA
Propagation Delay (TTL to RS-232)	1 µs typ.
Output Enable	400 ns typ.
Output Disable	250 ns typ.
Transceiver Input Characteristics	
Input Voltage Range	±15V
Propagation Delay (RS-232 to TTL)	1.5 µs typ.
Voltage Threshold	
Vil	0.8V max
Vih	2.4V min
Hysteresis	0.5V typ.

TRANSIENT VOLTAGE SUPPRESSION OPTION (/S VERSION)

Board Description	
PCI-COM232/S	
PCI-COM232/2/S	
PCI-COM232/4/S	
Data Transceiver Input	SP211H
Input Voltage Range (derated)	±12V
TVS type	SMAJ12A
Working Peak Reverse Voltage	±12V
Breakdown Voltage	13.3V min., 14.7V max.
Peak Pulse Surge Current	15.1 A max. (avalanche duration time = 10 µs)
Peak Pulse Power Dissipation	300W max. (avalanche duration time = 10 µs)
	Peak Pulse Power Dissipation is proportional to the amount of time the TVS remains in the avalanche mode. For specific power vs. avalanche time-duration information, consult the SMAJ12A datasheet.

ENVIRONMENTAL

Operating temperature range	0 to 70°C
Storage temperature range	-40 to 100°C
Humidity	0 to 90% non-condensing

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