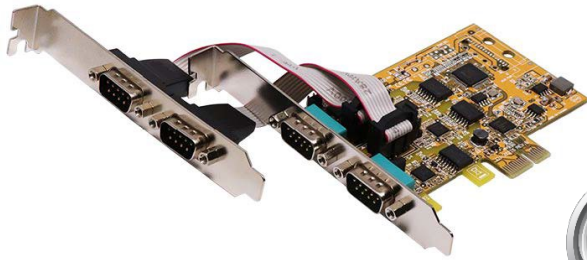


MSC-204C-SI

4-Port RS232/422/485 PCI Express Card w/Surge and Isolation



Features

- ▶ Full x1 PCI Express Throughput, 250Mbytes/sec
- ▶ Fully Compliant with PCI Express Base Specifications, Revision 1.0a
- ▶ Supports 4*RS232/422/485 Ports and 2.5KVrms Isolation and 15KV ESD Surge Protection
- ▶ 4 Modes: RS232, RS422, 4-Wire and 2-Wire RS485
- ▶ 2K-Byte Deep Data Buffers per Transmitter and Receiver
- ▶ Baud Rate from 110bps to 921.6Kbps
- ▶ Automated Out-of-Band Flow Control using CTS#RTS# and/or DSR#DTR#
- ▶ Operating System Support: Windows 2000, Server 2003, Server 2008, XP, XP 64-bit, Vista, Vista 64-bit, Windows 7, Windows 7 64-bit, Windows 8.x, Windows 10, XP Embedded, Windows CE 4.2, 5.0, 5.2, 6.0, Mac OS-X, Linux (2.6.9 or later) and Android Version 3.2 or Above
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' MSC-204C-SI is a 4-port RS232/422/485 3-in-1 PCI Express Card with isolation and surge protection.

The MSC-204C-SI is a multi-protocol RS232/422/485 3-in-1 serial PCI card that is designed for a laptop, PC, thin client, POS, or server to provide instant COM port expansion via the PCI Express Bus (PCIe). It is compatible with legacy serial devices which are commonly used with instrumentation, industrial automation, point-of-sale and factory automation applications.

Each serial port provides a 2,500Vrms isolation and 15KV ESD surge protection. It is designed to prevent the ground loop issue which is usually caused by a ground potential difference that likely exists between connected devices.

The MSC-204C-SI supports complete drivers for comprehensive platforms such as Windows, Windows embedded, Mac OS, Linux, Android and many more. It backs your application and enables your success with its reliable hardware and consistent software support.

The PCI Express card is the most popular native expansion bus for modern computers, and with the complete software from the MSC-204C-SI, it provides an ideal solution for adding serial devices to your applications.

SPECIFICATIONS

System Interface

Compliance	Fully Compliant with PCI Express Base Specifications, Revision 1.0a
Connector	PCI Express x1
Speed	250Mbytes/sec (PClex1 Throughput)

Serial Interface

Number of Ports	4 (with an additional bracket)
Modes	RS232, RS422, RS485-2wire and RS485-4wire
RS232	TXD, RXD, RTS, CTS, DTR, DSR, DCD, RI, GND
Connectors	Male DB9
FIFO	2,048 bytes
Isolation	2,500Vrms
ESD Surge Protection	15KV

Serial Communication Parameters

Baud Rate	110 to 921600bps
Data Bits	7, 8
Stop Bits	1, 2
Parity	None, Even, Odd, Mark, Space
Flow Control	RTS/CTS, DSR/DTR, X-ON/X-OFF, None

Physical Characteristics

Dimensions	Without Bracket: 3.93" (L) x 2.80" (W) (100.0 x 71.0 mm)
Weight	110g (0.24 lb.) (product only)

Environmental Limits

Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-20°C to 75°C (-4°F to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	Up to 2000 m

Power Requirement

Input Voltage	3.3V, 12VDC
Power Consumption	1.4W max.

Operating System Support

Windows 2000, Server 2003, Server 2008
 Windows XP, XP 64-bit
 Windows Vista, Vista 64-bit
 Windows 7, 7 64-bit
 Windows 8.x, 10
 XP Embedded
 Win CE 4.2, 5.0, 5.2, 6.0
 Mac OS-X
 Linux (2.6.9 or later)
 Android version 3.2 or above

Regulatory Approvals

Warranty	5 Years
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ORDERING INFO

MSC-204C-SI

4-Port RS232/422/485 PCI Express Card w/Surge and Isolation Protection