

# MSC-104A2

## 4-Port RS232 PCI Serial Card Expansion with Octopus Cable



## Features

- ▶ Full PCI Bus 2.3 and PCI Power Management 1.1 Compliant
- ▶ 4 DB9M RS232 Connectors over a 44-pin Octopus Cable
- ▶ Fully High Performance 16C1050 UART Channels
- ▶ ±15kV IEC1000-4-2 ESD Protection for RS-232 I/O's
- ▶ Support both 3.3V and 5V PCI Slots
- ▶ Baud Rate: up to 921.6kbps
- ▶ Parity: None, Even, Odd
- ▶ Data Bits: 5, 6, 7, or 8-bit Characters
- ▶ Stop Bits: 1, 1.5, or 2 Stop Bit Generation
- ▶ 256-byte deep FIFO per transmitter and receiver
- ▶ Software/Hardware Flow Control & Xon/Xoff re-transmit function
- ▶ 5V or 12V Power Available Over Serial Connectors
- ▶ Windows: 2000, 2003, 2008, XP, Vista, 7, 8.x, 10 and Linux
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies **MSC-104A2** high performance serial I/O adapter provides 4 high performance 16C1050 UART compatible serial ports. The card is fully PCI Plug-and-Play compatible and no IRQ and I/O address conflict problem in ISA bus. With its external DB44M-to-DB9Mx4 fan out octopus cable, it only consumes one PCI slot. The high performance serial interface was adapted by the complete software drivers to work in most of the major operating systems. Moreover, the MSC-104A2's UART provides FIFO size up to 256-byte, software and hardware flow control feature. It's much better than the 16C550 that available from the current market. The MSC-104A2 is an ideal connection for your PC to industrial serial applications.

## SPECIFICATIONS

### Properties

<b>System</b>	Fully Compliant with PCI Bus 2.3 and PCI Power Management 1.1
<b>FIFO</b>	256-byte per transmitter and receiver
<b>Host Controller</b>	Fully 16C1050 UART compatible
<b>Baud Rate</b>	Up to 921.6kbps
<b>Port Interface</b>	
<b>Connection</b>	Through PCI Bus 2.3
<b>Cable</b>	44-Pin Octopus Cable
<b>Serial</b>	4 DB9M RS232 Connectors
<b>Protection</b>	
<b>ESD Protection</b>	15kV for the RS232 I/O's

### Mechanical Characteristics

<b>Dimensions</b>	4.72 x 2.50" (12 x 6.35 cm)
<b>Weight</b>	Unit: 0.5 lbs; Shipping: 1.0 lbs
<b>Mounting</b>	PCI Bus
<b>Power</b>	
<b>Power Provided</b>	5V or 12V Device Power over Pin 9
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	0° to 55° C
<b>Storage Temperature</b>	-20°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)

## ORDERING INFO

<b>MSC-104A2</b>	4-Port RS232 PCI Serial Card Expansion with Octopus Cable
<b>Optional Accessories</b>	
<b>GC-F09F09-N</b>	Mini Gender Changer DB9 F/F Null Modem