ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Diamond Systems EMM-XT* at our website: ***Click HERE***

Emerald-MM-4M™

4-Port RS-232/422/485 PC/104™ Module



Key Features

- 4 serial ports, RS-232/422/485 protocols
- Full handshake RS-232
- Jumper-selectable protocols, addresses, and interrupts
- 16C554 UARTs with 16-byte FIFOs
- 115.2K maximum baud rate
- Built-in interrupt sharing

Product Overview

This top-selling serial port module has four independent PC-standard asynchronous serial ports based on the 16C554 quad UART chip.

The board is available in 3 models with different combinations of protocols (see ordering information below). Each configurable port's protocol can be selected independently of any other port.

Protocol, address, and IRQ level are independently selected for each port. All configurations are made with jumpers for quick visual identification of the board's settings. Select from 8 I/O address combinations and 10 IRQ levels. All transceivers are already on the board, so no chips or modules need to be installed for configuration.

In RS-232 mode, each port has the full set of 8 signals plus ground. Termination resistors of 120ohms are provided for RS-422/485 protocols and are jumper-selectable. Interrupt sharing is supported with a built-in interrupt status register.

The board has 2 20-pin I/O headers, with 2 serial ports on each header. Emerald-MM requires only +5V supply and operates over the industrial temperature range of -40°C to +85°C.

SPECIFICATIONS	
Serial ports	Four
Protocols	RS-232/422/485 supported, model dependent
Max baud rate	115Kbps
Communications	Five, six, seven or eight data bits Even, odd, or no parity
Base UART	16C554
FIFO	16 bytes
Protocol configuration	Jumper
Address / interrupt config.	Jumper
Short protection	Continuous, all outputs
Bus interface	PC/104 (ISA)
Power	+5VDC ±10% @80mA
Operating temp.	-40°C to +85°C (-40°F to +185°F)
Weight	2.5oz (71g)

ORDERING INFORMATION	
EMM-4M-XT	Ports 1-4 configurable RS-232/422/485
C-DB9M-2	Dual serial port cable

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP