**KEY FEATURES:**
- 8, 4 or 2 RS-232 asynchronous serial COM ports
- Speeds up to 921.6K with 64-byte FIFO
- Programmable IRQ sharing simplifies system design and installation
- Low power required: +5VDC at 80mA typical
- Operates as a standard COM port in all operating systems

**FACTORY OPTIONS:**
- 0 to 70°C and -40 to +85°C versions available
- 128-byte FIFO

The 104-COM232-8 series are eight, four, or two-port asynchronous, RS-232 serial communication boards. The boards are feature-rich and allow for the connection of multiple serial devices—ideal for a variety of applications such as POS, barcode readers, modems, machine monitoring and control, military, high-density networking applications or any other application requiring the connection of RS-232 serial devices to a PC/104 compatible system.

Ports are accessed via two 40-pin IDC type right angle header connectors for the boards optional breakout cable.

The 104-COM232-8 series were designed using type 16C654 UARTS and include 64-byte transmit/receive FIFO buffers to protect against lost data in multi-tasking systems while maintaining 100% compatibility with all operating system COM port drivers.

ACCES offers the 104-COM232-8 series in both standard and extended temperature versions ideal for outdoor applications or harsh industrial surroundings.

Ordering options include UARTs with larger FIFOs, support for custom baud rates, vertical I/O pins, and custom cabling.

**SOFTWARE**

The 104-COM232-8 series are supported by most operating systems and include a free DOS, Linux and Windows 95/98/Me/NT/2000/XP/2003 compatible software package. This includes sample programs and source code in "C" and Pascal for DOS, and Visual Basic, Delphi, C++ Builder, and Visual C++ for Windows. Also included is a graphical setup program in Windows. An easy-to-use Windows terminal program simplifies verification of proper operation.
8-, 4-, and 2-Port RS-232

Serial Communication

Specifications

Serial Ports

- Number of serial ports: 8, 4, or 2
- Protocol: Full RS-232
- Maximum baud rate: 230.4K
- Character length: 5, 6, 7, or 8 data bits
- Parity: Even, odd, or none
- Common mode voltage range: +12V to -7V
- Base address options: Programmable
- Interrupts: Shared IRQ is programmed and stored onboard in non-volatile memory

General

- I/O connections: Via two 40 pin IDC type right angle connectors. There are eight pins per port plus common grounds.
- Short circuit protection: All outputs protected against continuous short circuit
- Power required: +5V at 80mA typical, all outputs open
- Operating temperature: 0 to 70°C and -40 to +85°C versions available
- Operating humidity: 5% to 95% RH, non-condensing
- PC/104 bus: 8-bit and 16-bit bus headers are used

Ordering Guide

- 104-COM232-8: 8-port RS-232
- 104-COM232-4: 4-port RS-232
- 104-COM232-2: 2-port RS-232