

COM-422 DUAL-422



- RS-232, current loop or RS-422 interface capability
- Fully programmable serial interface characteristics
- Up to 115.2 Kbaud communications rate
- Communication up to 1.2 kilometers (RS-422)
- COM-1, COM-2 or at any other I/O address

Ordering Information

COM-422 RS-232/422 Interface for the IBM PC/XT/AT

DUAL-422 Dual RS-422 Interface for the IBM PC/XT/AT

RS-232/422 Interfaces

ISA Bus

The COM-422 and DUAL-422 are serial interface boards for use with ISA-bus compatible computers. These boards communicate at rates from 9600 baud to 115.2 Kbaud at distances up to 1.2 kilometers (RS-422 only). The 16550 UARTs used on these boards can be set up as a standard COM1 or COM2 interface or can be set at any other I/O address or interrupt level. They allow full user configuration of the RS-422 and RS-232 (COM-422 only) communication parameters including number of data bits, number of stop bits, and parity control. These boards are NOT compatible with standard Windows COM port drivers. Users would need to write register-level programs for their applications.

COM-422

The COM-422 is a single 16550 UART board that allows 5 user selectable communications protocols controlled by DIP-switch settings.

1. RS-232 with hardware handshaking
2. RS-232 without handshaking
3. Current loop
4. RS-422 with hardware handshaking
5. RS-422 without handshaking

DUAL-422

The DUAL-422 interface board provides two 16550 UARTs that can be individually configured and controlled as RS-422 ports.

APPLICATIONS

- Interface with modems, printers or plotters
- Instrument interface
- METRABUS remote I/O interface
- Interface to networks or other PCs
- Interface to M1000 modules

COM-422 Specifications

UART: 16550 (8250 compatible).
NUMBER OF PORTS: 1 RS-232 or RS-422.
MAXIMUM DATA TRANSFER RATE: 115.2 kbaud.
MAXIMUM DATA TRANSFER DISTANCE: 4000 feet (1220 meters).
SOFTWARE SELECTABLE FUNCTIONS: Speed, parity, data bits and stop bits.
DIMENSIONS: 5in L × 4.25in H × 0.75in D (12.7cm × 10.8cm × 1.9cm).
POWER REQUIREMENTS
+5V: 500mA typ, 600mA max.
+15V: 30mA typ, 45mA max.
-15V: 30mA typ, 45mA max.

DUAL-422 Specifications

UART: 16550 (8250 compatible).
NUMBER OF PORTS: 2, RS-422A differential serial ports.
MAXIMUM DATA TRANSFER RATE: 115.2 kbaud.
MAXIMUM DATA TRANSFER DISTANCE: 4000 feet (1220 meters).
DIMENSIONS: 5in L × 4.25in H (12.7cm × 10.8cm).
POWER REQUIREMENTS
+5V: 850mA typ, 1A max.
+12V: not used.
-12V: not used.

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