

# PM-1004

PC/104 4-port RS-232/422/485 Module

# PM-1028

PC/104 4/8-Port RS-232 Module

## IEI Communication Module



### ● Specifications

- ◆ PC/104 form factor
- ◆ 16C554 UART Controller
- ◆ 4 x RS-232/422/485
- ◆ Supports shared IRQ or independent IRQ mode
- ◆ Jumper selectable interrupt level
- ◆ MAX. baud rate: 921.6kb/s
- ◆ Support O.S: Windows NT/2000/XP, Linux and windows CE.NET

### ● Specifications

- ◆ PC/104 form factor
- ◆ 16C554 UART Controller
- ◆ Supports shared IRQ or independent IRQ mode
- ◆ Interrupt vector addressing setting
- ◆ Jumper selectable interrupt level
- ◆ COM port base I/O addressing setting
- ◆ MAX. baud rate: 921.6kb/s
- ◆ Supports O.S: Windows NT/2000/XP, Linux and windows CE.NET

### Tech Talk

#### RS-422 & RS-485

The RS-422 standard allows only one differential way communicational mode, using a twisted media pair. The maximum data rate, not implemented at max cable length, is 10Mbps and its max cable length is 1200 meters. Each driver can drive up to 10 receivers.

The RS-485 is basically an update of the RS-422 specification for multipoint buses to be constructed. This standard meets and improves all the requirements of the RS-422, allowing up to 32 drivers and 32 receivers in addition, which can be connected to a single bus.

iEi's PM-1004 serial port communication module offers 4 independent RS-232/422/485 serial ports for connecting data acquisition equipment and many other serial devices to the PC and its compatible system. It provides a reliable communication link over a longer distance and optional surge protection make it suitable for industrial environments. Connections with point-to-point full-duplex or multidrop half-duplex are available to meet user's various needs.

#### Features:

- ◆ 4/8 independent COM channels
- ◆ Two 16C554-compatible quad UARTs
- ◆ 128-byte TX and RX receive FIFOs
- ◆ Programmable serial interface characteristics for each channel
- ◆ Shared interrupt capability with ID register



Ship with 4-port RS-232 connection cable  
P/N: 32200-025400



Ship with 4-port RS-232/422/485 connection cable  
P/N: 32200-026800

### ● Ordering Information

- **PM-1004**  
PC/104 4-port RS-232/422/485 Module

### ● Ordering Information

- **PM-1028-4**  
PC/104, 4-port RS-232 PC/104 Module
- **PM-1028-8**  
PC/104, 8-port RS-232 PC/104 Module