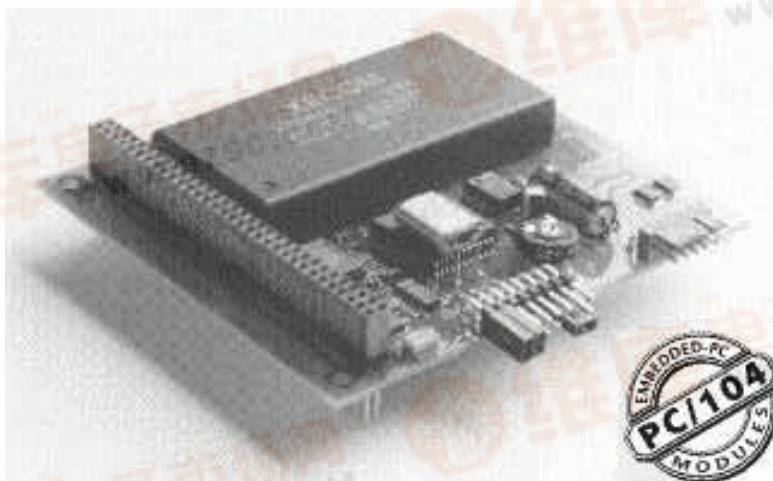


# xecom

# PC1414SR



## Description

The PC1414SR combines a 14,400 bps data modem providing error control and data compression with a 14,400 bps Group 3 send-and-receive fax modem on a standard PC/104 stack-through module. The PC1414SR includes FCC Part 68 registration permitting it to be connected directly to the telephone network.

The PC1414SR uses the industry standard Hayes "AT" command set for control and configuration. This insures compatibility with virtually all software drivers and applications software designed for modem communications. Fax configuration is via Class 1 and Class 2 AT Fax commands.

Xecom brings 10 years of modem expertise to the PC/104 market. In addition to the PC1414SR, Xecom offers a complete line of Fax and Data modems for PC/104 sockets.

## PC1414SR Features

- Full compatibility with Hayes "AT" modem control and configuration commands. Class 1 and Class 2 AT fax commands are used for fax control.
- Small Size 3.6" x 3.8" x 0.6"
- FCC Part 68 Registered, for direct connection to the telephone line;
- 14,400bps data transfer with fallback rates of 12000, 9600, 7200, 4800, 2400, 1200 & 300bps;
- 14,400bps Group 3 fax with fallback rates of 12000, 9600, 7200, 4800 & 2400bps;
- CMOS design includes low power Auto standby mode;
- Error control and data compression provided with MNP classes 2-5, V.42 and V.42bis



**SPECIFICATIONS****ELECTRICAL**

- Data Rates: 300, 1200, 2400, 4800, 7200, 9600, 12,000, and 14,400 bits per second;
- Modem Standards: Bell 103 and 212, CCITT V.17, V.21, V.22, V.22bis, V.27ter, V.29, V.32 and V.32bis;
- Group 3 Fax Rates: 14,400, 12,000, 9600, 7200, 4800 and 2400 bits per second;
- Data Transmit Level:  $-10 \pm 1$  dBm;
- Receive Sensitivity: -10 to -45 dBm
- Power Requirements: 5 Volts  $\pm 5\%$ , maximum current 150 milliamps; Sleep Mode current 6 milliamps;
- FCC Part 68 Registered

**SYSTEM INTERFACE**

- Modem configuration and control using Hayes "AT" Command set;
- Fax configuration and control using Class 1 and Class 2 "AT" Fax Commands;
- I/O Addresses: (selected by jumpers) 3F8h (COM1), 2F8h (COM2), 3E8h (COM3), and 2E8h (COM4);
- Interrupts: (selected by jumpers) IRQ2, IRQ3, IRQ4, or IRQ7;

**MECHANICAL**

- Size:  
Length 3.6 in. (90 mm)  
Width 3.8 in. (96mm)  
Height 0.6 in (15mm)  
[Add .3 inches (8 mm) for stackthrough pins.]
- Weight: 3.5 oz. (100 gm)

**ENVIRONMENTAL**

- Operating Conditions:  
Temperature - 0° to 70° C  
Relative Humidity - 5% to 95% non-condensing
- Storage Temperature - -25° to 85° C
- Contact Xecom for information regarding extended temperature ranges;

**ORDERING INFORMATION**

When ordering, please refer to the following model numbers.

- \* PC1414SR - 14,400 bps modem with MNP Classes 2-5, V.42, V.42bis, 14,400 bps Group 3 Fax, stackthrough bus
- \* PC/104CR - RJ11 phone line adapter cable