

MSI PC/104

Embedded PC Series

MSI-DMP1800 4-Port

RS-232C CARD

FEATURES

- ◆ Four RS-232C asynchronous communication ports.
- ◆ IBM PC XT/AT compatible.
- ◆ Selectable interrupts for IRQ 2, 3, 4, 5, 7.
- ◆ Selectable I/O addresses from 100H to 3C0H.
- ◆ Small size PC/104 form factor (90 mm x 96 mm).
- ◆ One-year warranty from date of shipment.

DESCRIPTION

The MSI-DMP1800 is a general purpose 4-port serial I/O card for PC/104 systems. The unit provides four full duplex RS-232C serial ports with 16550 UARTS and uses I/O mapped addressing for which the base address is switch selectable in the range from 100 to 3C0 hexadecimal. Interrupts are selectable for IRQ 2, 3, 4, 5, and 7.

The 16C550 provides a 16 byte FIFO for both transmitting and receiving characters to reduce the interrupts presented to the CPU. Modem control functions provided are CTS, RTS, DSR, DTR, RI, and DCD. A fully programmable serial interface provides 5-, 6-, 7-, or 8-bit characters; even, odd, or no-parity bit generation and detection; 1-, 1.5-, or 2-stop bit generation; Baud rate generation (DC to 256K Baud); and, false start bit detection.

I/O connections are provided by four 10-pin flat cable connectors. The package includes a User's Manual, software utilities and four flat cable-to-DB9 connector serial port cables.

SPECIFICATIONS

Asynchronous Serial I/O

Four full duplex RS-232C serial ports using 16550 compatible UARTS.

Card Addressing

Switch selectable I/O addresses from 100H to 3C0H.



16550 UART

Sixteen byte FIFO for both transmitting and receiving characters.

Modem Control Functions - CTS, RTS, DSR, DTR, RI and DCD.

5-, 6-, 7-, or 8-bit characters; even, odd, or no-parity bit generation and detection.

1-, 1.5-, or 2-stop bit generation.

Baud rate generation (DC to 256K Baud).

False start bit detection.

I/O Connectors

Four 10-pin flat cable connectors. Cables supplied with flat cable-to-DB9 connectors to accommodate standard PC serial cables.

Environmental

Storage Temperature -25 to 80° C.

Operating Temperature 0 to 70° C.

System Power Requirement

DC Voltage: +5V

Size and Weight 90 mm x 96 mm , 0.1 Kg.



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