

DSP-100 Dual Channel RS-232 PCMCIA Card



- ✓ PCMCIA PC Card Standard Specification 2.1 Compliant
- ✓ Client Software Driver for DOS (PCMCIA Card Services Specification 2.1 Compatible)
- ✓ "Hot-Swapping" Supported (Insertion and Removal of DSP-100 While System is Powered Up)
- ✓ Selectable and Shareable Interrupt (IRQ 3-7, 9-12, 14, 15)
- ✓ Selectable I/O Base Address

The DSP-100 is a dual channel RS-232 asynchronous serial adapter PCMCIA card which is PC Card Specification 2.1 compliant. The DSP-100 inserts into one Type II (5 mm) PCMCIA socket and provides two asynchronous RS-232 serial ports. These two serial ports are implemented with 16550 UARTs; this will allow the DSP-100 to be used in multitasking environments and for applications involving high data rates. The DSP-100 is accessed through standard D-9 connectors.

Users may select the particular I/O address space at which the DSP-100 is to be located. The two serial ports of the DSP-100 may be configured at either the standard COM port I/O address locations or in a 16-byte continuous I/O address block. Also, the DSP-100 may be configured at any one interrupt level. An interrupt status register is provided for determining the serial port which was the source of the generated interrupt.

Since the two serial ports must share one hardware interrupt level, an enhanced serial device driver is provided for Windows 3.x/95/98/NT/2000. The driver will allow two serial ports to share one hardware interrupt level. A configuration file is also provided for operation under Windows 95.



DSP-100 Series
\$249

In addition, a PCMCIA Card Services Version 2.1 compliant client driver for DOS is provided which will provide for automatic configuration of the DSP-100 upon each card insertion. This will permit the DSP-100 to be "hot-swapped". The DSP-100 will be automatically configured upon each card insertion. A separate enabler program is provided for the configuration of the DSP-100 for those who wish to run the card without card and socket services installed.

Specifications

Bus Interface: PCMCIA PC Card Standard 2.1

Physical Dimensions: Type II (5 mm) PCMCIA card

Maximum Baud Rate: 120 K

Power Requirements: +5 volts, 25.75 mA (typical), 33.26 mA (maximum)

Connector: Two standard DSUB-9 male connectors via pigtail cables off the PCMCIA card

Connectors: Two D-9 Males

PIN 1: Carrier Detect

PIN 2: Data Input

PIN 3: Data Output

PIN 4: Data Terminal Ready

PIN 5: Signal Ground

PIN 6: Data Set Ready

PIN 7: Request to Send

PIN 8: Clear to Send

PIN 9: Ring Indicator

To Order (Specify Model Number)

| Model No. | Price | Description |
|-----------|-------|--------------------------------|
| DSP-100 | \$249 | Dual Channel RS232 PCMCIA card |

Comes with complete user's manual and PCMCIA configuration/driver software on CD Rom. Also includes PCMCIA card to dual 9 pin connector cable.

Ordering Example: DSP-100 RS232 PCMCIA card, \$249.

omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA

Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)

1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenpfronn, Germany

0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England

0800-488-488

FRANCE

www.omega.fr

088-466-342

CZECH REPUBLIC

www.omegaeng.cz

Karviná, Czech Republic

596-311-899

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters