



# IOP-241 24 Digital I/O PCMCIA Card

- ✓ PCMCIA PC Card Standard Specification 2.1 Compliant
- ✓ Client Software Driver (PCMCIA Card Services Specification 2.1 Compatible)
- ✓ "Hot-Swapping" Supported (Insertion and Removal of IOP-241 While System is Powered Up)
- ✓ 24 Buffered I/O Signals, Each May Be Configured As Input or Output
- ✓ Eight Digital Signals Available as Interrupt Sources (Level Sensitive or Edge Triggered)
- ✓ Selectable Base Address and Selectable and Shareable Interrupt

The IOP-241 is a PCMCIA card which allows parallel communication between personal computers with PCMCIA sockets and external devices. The IOP-241 is PCMCIA PC Card Standard Specification 2.1 compliant and plugs into Type II (5 mm) PCMCIA sockets.

The IOP-241 provides up to 24 digital input and output signals. Each signal may be individually configured as input or output. In addition, each of the 24 signals are buffered to enhance the IOP-241's drive capability.

Eight of the digital signals may be used as interrupt sources. Each interrupt source may be programmed to be level sensitive or pulse triggered. An additional interrupt is available when all 24 I/O lines are needed. The interrupt signal of the IOP-241 may be mapped to any one of IRQ3-7, 9-12 or 14 and 15.

The IOP-241 occupies 16 I/O address locations, and the address location may be selected by the user. The IOP-241 is easily



IOP-241 Shown With Optional CP-IO37 Cable

programmed from most high level programming languages.

A client software driver is provided to configure the IOP-241. The IOP-241 client software driver is compatible with PCMCIA Card Services Specification 2.1. With the client software driver the PCMCIA Card and Socket Services installed, the IOP-241 may be removed from and inserted into a Type II PCMCIA socket at anytime with automatic configuration occurring upon each card insertion. A separate enabler program is provided for the configuration of the IOP-241 for those who wish to run the card without card and socket services installed. An optional Visual Basic Controls (VBX) is also available.

For turn-key operation, the IOP-241 is also compatible with Labtech Notebook and Snap Master Software

**Specifications Bus Interface:**  
PCMCIA PC Card Standard 2.1

**Physical Dimensions:**  
Type II (5 mm) PCMCIA Card

**Power Requirements:**  
+5 volts @ 18 mA

**Digital Input/Output:**  
TTL compatible

**Current Source/Sink:**  
Source 6 mA (min) @ 0.33 V  
Source 20 mA (max) @ 1.0 V  
Sink 6 mA (min) @ 4.0 V Sink 20 mA (max) @ 2.0 V

**Connector:** Standard male DSUB-37 via pigtail cable off the PCMCIA Type II card

### To Order (*Specify Model Number*)

Model No.	Price	Description
IOP-241	\$195	24 Channel digital I/O PCMCIA card

### Accessories

Model No.	Price	Description
UIO-37	\$110	Terminal strip, Requires CP-IO37 cable
CP-IO37	40	Cable

*Comes with complete operator's manual and PCMCIA configuration software*

**Ordering Example:** IOP-241 data acquisition board with UIO-37 terminal panel and CP-IO37 cable, \$195 + \$110 + \$40 = **\$345.**