

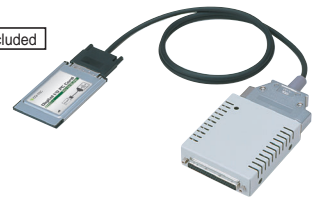
Digital I/O

- Box-PCs
- Panel-PCs
- Flat Panel Displays
- Silicon Disk Drives
- Option
- Box PCs & Panel PCs with Windows CE
- Single Board Computer
- Chassis / Backplane
- Analog I/O
- Digital I/O**
- Counter & Motion Controller
- Serial Communication
- GPB Communication
- Remote I/O
- Expansion Unit / Bus Adapter
- Software
- Accessories & Cables
- Distributed Monitor & Control Network: F&EIT
- Multi-Programmable Display
- Wireless LAN
- Remote Monitoring Solution
- Service & Products

PCMCIA 37-pin D-SUB **Input 16** **Output 16** Isolated Digital Filter Surge Protection CE

Windows Driver **LabVIEW**

Connection cable & Isolated circuit box included



Opto-Isolated Digital I/O PIO-16/16L(PM)

- Connector pin assignment compatible with PIO-16/16L(PCI)H, PIO-16/16L(PCI), PIO-16/16L(PC)V
- Digital filter can be applied to input signals
- All 16 input signals can be used as interrupts

*This card cannot be used with another card requiring external connections when used on a PC with 2 TYPEII PC card slots. For simultaneous use, the other card must be a PC card (excluding memory card) that does not require an external connector.

PCMCIA 37-pin D-SUB **Bi-direct 32** Non-Isolated Digital Filter CE

Windows Driver **LabVIEW**

Connection cable included



TTL-Level Digital I/O PIO-32D(PM)

- Groups can be either input or output (user selectable) i.e. card can support different configurations, including 16 input /16 output; all 32 as input or all 32 as output
- High-speed response with non-isolated TTL level I/O
- All input signals (Max. 32 points) can be used as interrupts

*This card cannot be used with another card requiring external connections when used on a PC with 2 TYPEII PC card slots. For simultaneous use, the other card must be a PC card (excluding memory card) that does not require an external connector.

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Model	PIO-16/16L(PM)	PIO-32D(PM)	
Input channels	16 channels share one common (all available for interrupts)	-	
Output channels	16 (1 common)	-	
I/O channels	-	32	
Controller Chip	-	-	
Input specifications	Type	Opto-Isolated (for sink current output) (negative logic)	TTL level (negative logic)
	Signal Level	12-24VDC	-
	Interrupts	16 interrupt signals combine to one interrupt request signal as INTA	-
Output specifications	Resistance	3kΩ	Pull-up 100kΩ
	Type	Opto-Isolated Open Collector (Current sinking type) (negative logic)	TTL level (positive logic)
Rating	35VDC 100mA	I _{OL} =6mA, I _{OH} =-2mA	
Response Time (Max.)	1msec	200nsec	
Internal Power	-	-	
Wiring Distance	50m (Max.)	1.5m (Max.)	
I/O Address	8bit x 16port boundary		
Power Consumption (Max.)	5VDC 200mA		
Bus / Dimensions (mm)	PCMCIA Rel.2.1/JEIDA 4.2 upper / TYPE II		
Connector	37-pin female D-type		
Options	Software	-	
	Accessories	DTP-3A *1, DTP-4A *1, EPD-37A *1, EPD-37 *1, CM-32(PC)E *1	
	Cables / Connectors	PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M	PCA37P-1.5, PCB37P-1.5, PCA37PS-0.5P/1.5P, PCB37PS-0.5P/1.5P, CN5D37M
		*1: Requires use of optional cable PCB37P or PCB37PS.	

Note: