

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



Includes API-PAC(W32) [API Function Library]

SPECIFICATIONS

Correspondent PC	IBM PC/AT series and Compatible Computer (ISA), DOS/V Correspondent Computer, NEC PC-9800 series
Input channels	16 channels share one common (All the input points can be used as interrupt input.)
Output channels	16 channels share one common
I/O Circuit	
Signal level	12~24VDC
Internal power	-
Input specifications	
Type	Opto-Isolated (for high sink current output) (negative logic)
Interrupts	16 input signals combine to one interrupt request signal as INTA
Resistance	
Output specifications	3kΩ
Type	Opto-Isolated Open Collector (Current sinking type) (negative logic)
Rating	35VDC 100mA
Response time	1msec (max)

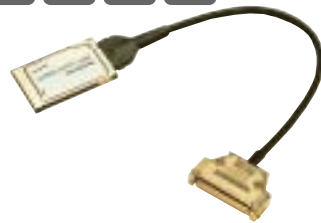
FEATURES

- ★ Connector pin assignment compatible with PIO-16/16L(PC)H, PIO-16/16L(PC)I, PIO-16/16L(PC)V
- ★ Digital filter can be applied to input signals
- All 16 input signals can generate interrupt requests

Wiring distance	50m (max)
I/O address	Any 16-byte boundary
Power consumption	5VDC 200mA (max)
Operating Condition	0~50°C, 20~90%RH (no condensation)
Length of Attached Cable	1m
Card Type	Type II [PCMCIA Rel.2.1/JEIDA 4.2 upper]
Weight	500g (including PC Card, attached cable, insulation circuit box)
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP
Accessories	DTP-3(PC), DTP-4(PC), EPD-37A *1, EPD-37 *1, CM-32(PC)E *1
Cables / Connectors	PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M

*1: Requires use of optional cable PCB37P or PCB37PS

Bi-Directional TTL Digital I/O PIO-24W(PM)



Includes API-PAC(W32) [API Function Library]

SPECIFICATIONS

Correspondent PC	IBM PC/AT series and Compatible Computer (ISA), DOS/V Correspondent Computer, NEC PC-9800 series
Number of channels	24
I/O type	TTL level (positive logic)
Controller	i8255 or equivalent
Input protection resistance	33Ω (1LS TTL load)
Output rating	DC5V 1mA (2LS TTL load)
Response time	200nsec(max)
Wiring distance	1.5m (max)
Interrupt Request Levels	One of IRQ 3~7, 9~12, 14 or 15
Interrupt Request Causes	2 (rising edge of PC0, PC3)
I/O address	Any 16-byte boundary

FEATURES

- ★ High speed TTL-level I/O (positive logic)
- 24 bi-directional channels, 3 groups of 8 points each

Power consumption	5VDC 100mA
Operating Conditions	0~50°C, 20~90%RH (no condensation)
Length of Attached Cable	300mm
Card Type	Type II [PCMCIA Rel.2.0/JEIDA 4.1 upper]
Weight	120g (including an attached cable)
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP
Accessories	DTP-3(PC), DTP-4(PC), EPD-37A *1, EPD-37 *1
Cables / Connectors	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

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



Includes API-PAC(W32) [API Function Library]

SPECIFICATIONS

Correspondent PC	IBM PC/AT series and Compatible Computer (ISA), DOS/V Correspondent Computer, NEC PC-9800 series
Number of channels	32
I/O type	TTL level (negative logic)
Input resistance	100kΩ
Output rating	I _{OL} =6mA, I _{OH} =-2mA
Response time	200nsec (max)
Wiring distance	1.5m (max)
Interrupt Request Levels	1 interrupt
Interrupts	32 input signals combine to one interrupt request signal as INTA
I/O address	Any 16-byte boundary

FEATURES

- ★ 32 digital I/O channels, in 4 group of 8 points each
- ★ 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 TTL-level I/O
- All input signals can be used as interrupts

Power consumption	5VDC 200mA (max)
Operating Conditions	0~50°C, 20~90%RH (no condensation)
Length of Attached Cable	1m
Card Type	Type II [PCMCIA Rel.2.1/JEIDA 4.2 upper]
Weight	500g (including PC Card, and attached cable)
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP
Accessories	DTP-3(PC), DTP-4(PC), EPD-37A *1, EPD-37 *1, CM-32(PC)E *1
Cables / Connectors	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