
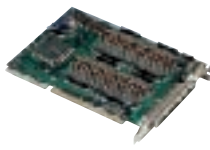




[Digital I/O] ISA

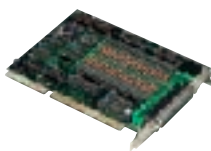
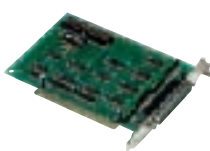


For the optional items, please refer to Page J-02 (Accessories & Cables) and Page I-01 (Software).

ISA	Model	Opto-Isolated Digital Input Board		Opto-Isolated Digital Input Board with On-Board 12V Power Supply	Isolated TTL Digital Input Board with On-Board 5V Power Supply
		PI-32L(PC)V	PI-64L(PC)	PI-32B(PC)H	PI-32TB(PC)
					
<b>SPECIFICATIONS</b>					
Input channels		32	64	32	
Output channels		-			
I/O Circuit	Signal level	DC12~24V			+5VDC
	Internal power	-			+5VDC 250mA
Input specification	Input type	Opto-Isolated Input (for current sinking output) (Negative logic)			Opto-Isolated TTL Input (Negative logic)
	Interrupt	Can use 2 lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Can use 4 lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Can use 2 lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Can use 2 lines simultaneously from IRQ 3~7, 9
	Input resistance	3kΩ			1.1kΩ
Output specification	Output type	-			
	Output rating	-			
Expansion function		-	Yes	-	-
Response time (Max.)		1msec			1μsec
Maximum distance		50m		30m	5m
I/O address		4 ports occupied	Any 8-byte boundary (normal) Any 16-byte boundary (optional)	4 ports occupied	
Power consumption (Max.)		+5VDC 50mA	+5VDC 100mA	+5VDC 50mA (External power) +5VDC 800mA (On-board power)	+5VDC 550mA (External power) +5VDC 1010mA (On-board power)
Bus / Dimension		ISA AT / 6.5"(L) x 4.75"(H)			
Connector		37-pin female D-type	96-pin half pitch connector (male)	37-pin female D-type	
Option	Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP, API-PAC(W32)			
	Accessories	DTP-3(PC), DTP-4(PC), EPD-37 *1, EPD-37A *1, CM-32(PC), CM-32(PC)E *1	DTP-3(PC) *2, DTP-4(PC) *2, DTP-64 *3, EPD-96 *3, CCB-96 *3, CM-32(PC) *2, CM-64(PC)E *3	DTP-3(PC), DTP-4(PC), EPD-37 *1, EPD-37A *1, CM-32(PC), CM-32(PC)E *1	
	Cables / Connector	PCA37P, PCB37P, PCA37PS, PCB37PS	PCA96P, PCB96P, PCB96W, PCA96PS, PCB96PS, PCB96WS	PCA37P, PCB37P, PCA37PS, PCB37PS	
CE marking		Y	Y	Y	Y

\*1: Cable PCB37P or PCB37PS is required.

\*2: Cable PCB37W or PCB37WS is required.

\*3: Cable PCB96P or PCB96PS is required.

ISA	Model	Negative-Common Opto-Isolated Digital Input Board	TTL Digital Input Board	Interrupt Controller Board	
		PI-32RL(PC)	PI-32T(PC)H	PI-64T(PC)	IRT-16(PC)
					
<b>SPECIFICATIONS</b>					
Input channels		32	64	16	
Output channels		-			
I/O Circuit	Signal level	DC12~24V	DC5V	Opto-isolated: 12~24VDC, TTL: 5VDC	
	Internal power	-			
Input specification	Input type	Opto-Isolated Input (for current sourcing output)	TTL-level Input	TTL-level or Opto-isolated 12-24VDC	
	Interrupt	Can use 2 lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Can use 2 lines simultaneously from IRQ 3~7, 9	Can use 4 lines simultaneously from IRQ 3~7, 9~12, 14 and 15	8 signals generate 1 interrupt level. Board can connect 3 interrupt level. (2 level from signals and time-up of time)
	Input resistance	3kΩ	10kΩ		Opto-isolated: 2kΩ, TTL: 10kΩ
Output specification	Output type	-			
	Output rating	-			
Expansion function		-	Yes	-	
Response time (Max.)		1msec	200nsec	Opto-isolated: 1msec, TTL: 200nsec	
Maximum distance		50m	1.5m	Opto-isolated: 50m, TTL: 1.5m	
I/O address		4 ports occupied		Any 8-byte boundary (normal) Any 16-byte boundary (optional)	Any 2-byte boundary
Power consumption (Max.)		+5VDC 300mA	+5VDC 420mA	+5VDC 200mA	+5VDC 1000mA
Bus / Dimension		ISA AT / 6.5"(L) x 4.75"(H)	ISA XT / 5.5"(L) x 4.25"(H)	ISA AT / 6.5"(L) x 4.75"(H)	ISA XT / 10"(L) x 4.25"(H)
Connector		37-pin female D-type		96-pin half pitch connector (male)	37-pin female D-type
Option	Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP, API-PAC(W32)			
	Accessories	DTP-3(PC), DTP-4(PC), EPD-37A *1, EPD-37 *1	DTP-3(PC), DTP-4(PC), EPD-37 *1, EPD-37A *1, CM-32(PC), CM-32(PC)E *1	DTP-3(PC) *2, DTP-4(PC) *2, DTP-64 *3, EPD-96 *3, CCB-96 *3, CM-32(PC) *2, CM-64(PC)E *3	DTP-3(PC), DTP-4(PC), EPD-37 *1, EPD-37A *1, CM-32(PC), CM-32(PC)E *1
	Cables / Connector	PCA37P, PCB37P, PCA37PS, PCB37PS	PCA37P-1.5, PCB37P-1.5, PCA37PS-0.5P/1.5P, PCB37PS-0.5P/1.5P	PCA96P-1.5, PCB96P-1.5, PCB96W-1.5, PCA96PS-0.5/1.5, PCB96PS-0.5/1.5, PCB96WS-1.5P	PCA37P, PCB37P, PCA37PS, PCB37PS
CE marking		Y	Y	Y	N

\*1: Cable PCB37P or PCB37PS is required.

\*2: Cable PCB37W or PCB37WS is required.

\*3: Cable PCB96P or PCB96PS is required.