









[DIGITAL I/O] ISA Bus

For the optional items, please refer to Page J-02 (accessories and cables) and Page G-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)
					
Specification					
Input channels		32		64	
Output channels		-		-	
I/O Circuit	Signal level	+12~24VDC			+5VDC
	Internal power	-			+12VDC 250mA
Input specification	Input type	Opto-Isolated Input (for current sinking output) (Negative logic)			
	Interrupt	Usable 2 interrupt lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Usable 4 interrupt lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Usable 2 interrupt lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Usable 2 interrupt 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 occupation		Any 8-byte boundary (normal) Any 16-byte boundary (optional)	
Power consumption (Max.)		+5VDC 50mA		+5VDC 100mA	+5VDC 50mA (External power) +5VDC 800mA (On-board power)
Bus / Dimension (mm)		AT Bus / 163.0(L) x 122.0(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), DDE SERVER(W32)		ACX-PAC(W32)BP, ACX-PAC(W32)AP, API-PAC(W32), SUPPORT-PAC(PC)602, DDE SERVER(W32)7PS	
	Accessories	DTP-3(PC), DTP-4(PC), EPD-37*1, CM-32(PC), CM-32(PC)E*1		DTP-3(PC)*2, DTP-3(PC)*2, DTP-64*3, EPD-96*3, CCB-96*3, CM-32(PC)*2, CM-64(PC)E*3	
	Cables / Connector	PCA37P, PCB37P, PCA37PS, PCB37PS		PCA96P, PCB96P, PCB96W, PCA96PS, PCB96PS, PCB96WS	
CE marking		○		○	○

*1: Option cable of PCB37P or PCB37PS is required. *2: Option cable of PCB96W or PCB96WS is required. *3: Option cable of PCB96P or PCB96PS is required.

ISA	Model	Negative-Common Opto-Isolated Digital Input	TTL-Level Digital Input Board	Interrupt Controller Board	
		PI-32RL(PC)	PI-32T(PC)H	PI-64T(PC)	IRT-16(PC)
					
Specification					
Input channels		32		64	
Output channels		-		-	
I/O Circuit	Signal level	+12~24VDC			+5VDC
	Internal power	-			Opto-isolated: 12~24VDC, TTL: 5VDC
Input specification	Input type	Opto-Isolated Input (for current sourcing output)		TTL level Input	
	Interrupt	Usable 2 interrupt lines simultaneously from IRQ 3~7, 9~12, 14 and 15	Usable 2 interrupt lines simultaneously from IRQ 3~7, 9	Usable 4 interrupt 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 occupation		Any 8-byte boundary (normal) Any 16-byte boundary (optional)	
Power consumption (Max.)		+5VDC 300mA		+5VDC 420mA	+5VDC 200mA
Bus / Dimension (mm)		AT Bus / 163.0(L) x 122.0(H)		XT Bus / 143.0(L) x 107.0(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), SUPPORT-PAC(PC)601, DDE SERVER(W32)		ACX-PAC(W32)BP, ACX-PAC(W32)AP, API-PAC(W32), SUPPORT-PAC(PC)602, DDE SERVER(W32)	
	Accessories	DTP-3(PC), DTP-4(PC), EPD-37*1		DTP-3(PC)*2, DTP-3(PC)*2, DTP-64*3, EPD-96*3, CCB-96*3, CM-32(PC)*2, CM-64(PC)E*3	
	Cables / Connector	PCA37P, PCB37P, PCA37PS, PCB37PS		PCA96P, PCB96P, PCB96W, PCA96PS, PCB96PS, PCB96WS	
CE marking		○		○	○

*1: Option cable of PCB37P or PCB37PS is required.
*2: Option cable of PCB96W or PCB96WS is required.
*3: Option cable of PCB96P or PCB96PS is required.