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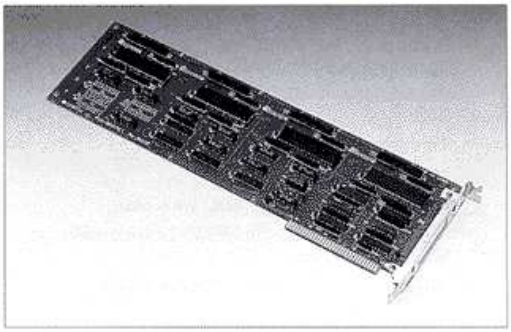
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Find the *Contec PIO-96W(PC)* at our website: *Click HERE*

PIO-96W(PC)

96 Channel Bi-Directional TTL Digital I/O Board



INTRODUCTION

The PIO-96W(PC) is a full-size IBM PC/AT add-on board that provides 96 fully programmable, bi-directional TTL-level input and output channels. All 96 channels are divided into four separate 24 channel groups. This board has four 8255-5 programmable peripheral interface ICs that can be programmed with the 8255A PPI's Mode 0 to Mode 2 operation. This board is useful for any number of applications such as contact closures or parallel data communication.

APPLICATIONS

- Interface with the DTP-/S24 SSR module racks
- Interface with parallel digital I/Os
- Interface with BCD-compatible devices
- Digital I/O control
- Contact closure or switch monitoring

FEATURES

- 96 bi-directional TTL digital I/Os
- Four 8255 PPIs on board
- 8255 PPI Mode 0 - Mode 2
- Enhanced interrupts - use only one IRQ

SPECIFICATIONS

Digital input/output

- No. of channels: 96
- Type: Bi-directional TTL level (positive logic)
- Programmable mode: 8255 PPI Mode 0 - Mode 2

Digital Inputs

- Input impedance: 20KΩ

Digital Outputs

- Output current: 5VDC 1mA max. (2LS-TTL load)

General

- Interrupts: C0 & C3 of Port C can generate an interrupt to IRQ 3-7 and 9. Enhanced interrupt feature: 8 interrupt lines use only one IRQ
- Throughput time: 300 ns min.
- I/O address: Any 32-byte boundary
- Power consumption: +5VDC 450mA max.
- Connectors: Four 30-pin header connectors
- Dimensions: 13.1" x 4.2" (340mm x 107mm)

PIN ASSIGNMENT

		A	B		
Port A	PA0	1	1	PB0	
	PA1	2	2	PB1	
	PA2	3	3	PB2	
	PA3	4	4	PB3	Port B
	PA4	5	5	PB4	
	PA5	6	6	PB5	
	PA6	7	7	PB6	
	PA7	8	8	PB7	
	GND	9	9	GND	
Port C	PC0	10	10	PC4	
	PC1	11	11	PC5	Port C
	PC2	12	12	PC6	
	PC3	13	13	PC7	
	GND	14	14	GND	
	VCC	15	15	VCC	

(x4 Connectors)

ORDERING INFORMATION

PIO-96W(PC)

- 96 channel bi-directional TTL digital I/O board, user's manual and sample programs

SUPPORT-PAC(PC)603

- DOS driver support for BASICA, GW-BASIC, MS-C/C++, TurboPascal and assembly

API-DIO(PC)WIN

- WINDOWS driver support for MS-Visual BASIC, MS-C, MS-Visual C++, Borland C/C++/TurboPascal for Windows

For accessories and I/O circuit diagrams, see Product Configuration Guide and Digital I/O Circuitry section at the end of Section 2. Also, for optional software, see Section 5.

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