

ENCODER300

ISA Bus, 3-axis Encoder Interface Card

Features

- Accepts inputs from incremental or quadrature encoders
- 3 independent axes
- Max. Quadrature Input Frequency: 1 MHz
- Counts per Encoder Cycle: X1, X2, X4 (Software selectable)
- Encoder Input Modes: Quadrature , Up/Down , PULSE/DIR

Introduction

The **ENCODER300** is a 3-axis quadrature encoder interface board for IBM PC/AT bus-compatible devices. Phase 0, phase 90 and index pulse inputs are provided for each encoder. Inputs may be single ended (A, B or C) or differential (A+, A-, B+, B-, C+ or C-). Power and ground connections are also provided for use by the encoder if needed. Inputs are conditioned by a four-stage digital filter, and the maximum input rate in quadrature decode mode is 1 MHz. The conditioned inputs are applied to a 16-bit counter, which may be used for quadrature decoding, pules or direction-input counting, or as a pulse input up/down counter.

Specifications

Model	ENCODER300
Software	
OS Support	Windows 95/98/ME/NT4.0
SDK	DOS 6.2
Hardware	
Connector	25-pin D-Sub
General	
No. of Axes	3
Encoder Input	
Mode	Quadrant, CW/CCW, PULSE/DIR
Counting Rate	1 MHz (Max.)
Pulse Output	
Counter Width	16-bit
PC Bus	1 MHz (Max.)
Type	ISA Bus
Power	
Consumption	+5 V @ 500 mA
Environment	
Operating Temperature	0 ~ +60°C
Storage Temperature	-20 ~ +80°C
Humidity	5 ~ 85% RH, Non-condensing

Ordering Information

ENCODER300	ISA Bus, 3-axis Encoder Interface Card Includes: CA-PC25M (25-pin Male D-Sub Connector with Plastic Cover)

Accessories

DN-25	25/9 pin D-sub I/O Connector Block (Pitch= 5.08 mm) with DIN-rail Mounting (RoHS) Include: CA-0920 (DB9 Male to DB9 Male Cable [RS-232; Pin1-Pin9], 2M), CA-2520 (DB25 Male to Male, 45º, 2M)

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