

Introduction

The PISO-ENCODER300U contains a 3-axis encoder counter and each axis has a 32-bit, true counter with a Encoder Counting Rate of 4 MHz (Max.). The counting mode can be selected from three types: 1. Quadrant mode, 2. CW/CCW mode, and 3. PULSE/DIR mode. There are also three 3 kinds of counter reset modes provided: 1. Register Reset, 2. Index Reset, and 3. Hardware Reset. The "Index Reset" mode resets by using a C+/C- channel, which will reset the counter on each revolution. The "Hardware Reset" mode resets the counter using an external pin (HR1 ~ HR6). The HR1 ~ HR6 pins can also be used as digital input.

The PISO-ENCODER300U also provides 8-ch digital outputs. 2500 Vrms photo-couplers are used to isolate the digital I/O to prevent high voltages from affecting the system. Device drivers and function libraries for DOS, Windows 7 and Windows XP/2000 are provided.

Specifications

Model	PISO-ENCODER300U	
Software		
OS Support	Windows 7/10 32/64-bit Windows XP/2000 32-bit	
SDK	DOS 6.2, Linux 2.6 Labview 8.5 and above	
Hardware		
Connector	68-pin SCSI-II female connector	
General	· ·	
No. of Axes	3	
Encoder Input		
Counter Width	32-bit	
Pulse Output		
Mode	CW/CCW, PULSE/DIR	
Digital Input		
Channels	6	

Model	PISO-ENCODER300U	
Isolation	2500 Vrms optical isolation	
Digital Output		
Channels	8	
Isolation	2500 Vrms optical isolation	
PC Bus		
Туре	Universal PCI bus	
Power		
Consumption	+5 V @ 500 mA	
Mechanical		
Dimensions (mm)	120.4 mm x 90.8 mm	
Environment		
Operating Temperature	0 ~ +60°C	
Storage Temperature	-20 ~ +80°C	
Humidity	5 ~ 85% RH, non-condensing	

Ordering Information

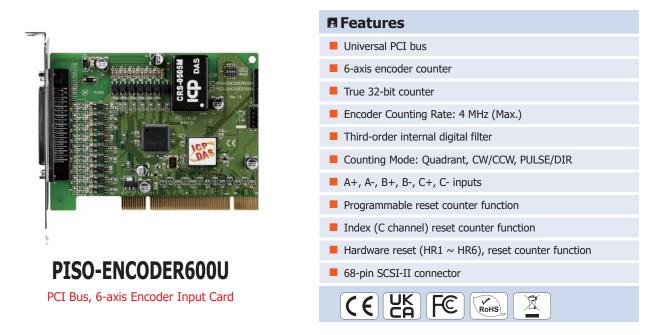
	Universal PCI Bus, 3-axis Encoder Input Card (RoHS) Includes: CA-SC68, SCSI-II 68-pin Male Connector (Solder Type) with Cover
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Accessories

DN-68 CR

Encoder Input Board for PISO-ENCODER300(U)/ PISO-ENCODER600(U) (RoHS)





Introduction

The **PISO-ENCODER600U** contains a 6-axis encoder counter and each axis has a 32-bit, true counter with a Encoder Counting Rate of 4 MHz (Max.). The counting mode can be selected from three types: 1. Quadrant mode, 2. CW/CCW mode, and 3. PULSE/DIR mode. There are also three 3 kinds of counter reset modes provided: 1. Register Reset, 2. Index Reset, and 3. Hardware Reset. The "Index Reset" mode resets by using a C+/C- channel, which will reset the counter on each revolution. The "Hardware Reset" mode resets the counter using an external pin (HR1 ~ HR6). The HR1 ~ HR6 pins can also be used as digital input.

The **PISO-ENCODER600U** also provides 8-ch digital outputs. 2500 Vrms photo-couplers are used to isolate the digital I/O to prevent high voltages from affecting the system. Device drivers and function libraries for DOS, Windows 7 and Windows XP/2000 are provided.

Specifications

Model	PISO-ENCODER600U
General	
No. of Axes	6
Encoder Input	
Mode	Quadrant, CW/CCW, PULSE/DIR
Counting Rate	4 MHz (Max.)
Pulse Output	
Counter Width	32-bit
Digital Input	
Channels	6
Isolation	2500 Vrms optical isolation
Digital Output	
Channels	8
Isolation	2500 Vrms optical isolation
PC Bus	
Туре	Universal PCI bus

Model	PISO-ENCODER600U	
Software		
OS Support	Windows 7/10 32/64-bit Windows XP/2000 32-bit	
SDK	DOS 6.2, Linux 2.6 Labview 8.5 and above	
Hardware		
Connector	68-pin SCSI-II female connector	
Power		
Consumption	+5 V @ 500 mA	
Mechanical		
Dimensions (mm)	120.4 mm x 90.8 mm	
Environment		
Operating Temperature	0 ~ +60°C	
Storage Temperature	-20 ~ +80°C	
Humidity	5 ~ 85% RH, non-condensing	

Ordering Information

PISO-ENCODER600U CR	Universal PCI Bus, 6-axis Encoder Input Card (RoHS) Includes: CA-SC68, SCSI-II 68-pin Male Connector (Solder Type) with Cover
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Accessories

DN-68 CR	Encoder Input Board for PISO-ENCODER300U / PISO-ENCODER600U
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