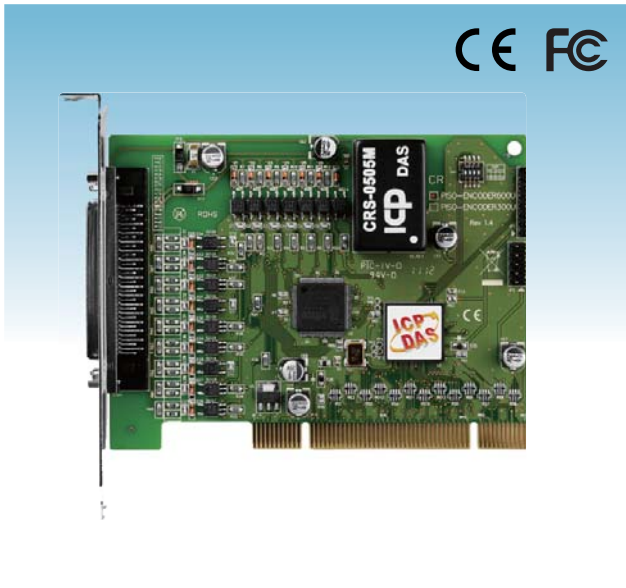


# PISO-ENCODER600U

## PCI Bus, 6-axis Encoder Input Card



### Features:

- Universal PCI bus
- 6-axis Encoder Counter
- True 32 bits Counter
- Maximum Counting Rate: 1 MHz
- Third-order Internal Digital Filter
- Counting Mode: Quadrant, CW\_CCW, PULSE\_DIR
- A+, A-, B+, B-, C+, C- Inputs
- Programmable Reset Counter Function
- Index (C channel) Reset Counter Function
- Hardware Reset (HR1 ~ HR6), Reset Counter Function
- SCSI-II 68-pin Connector

### Introduction:

The **PISO-ENCODER600U** has a 6-axis encoder counter and each axis has a 32-bits, true counter with maximum counting rate of 1 MHz. The counting mode has 3 types of selections: 1. QUADRANT mode, 2. CW\_CCW mode, 3. PULSE\_DIR mode.

The PISO-ENCODER600U provides 3 kinds of counter reset mode: 1. Register Reset, 2. Index Reset, 3. Hardware Reset. The "Index Reset" resets by using a C+/C- channel, which will reset every revolution. The "Hardware Reset" resets by an external pin (HR1 ~ HR6). The HR1 ~ HR6 also can be a digital input.

The PISO-ENCODER600U also provides 8-ch digital outputs, 2500 Vrms photo couplers isolate the digital I/O. This board provides DOS, windows 95 and windows NT drivers.

### Specifications:

|                           |                                  |
|---------------------------|----------------------------------|
| Number of axis            | 6                                |
| Slot Interface            | Universal PCI bus                |
| Resolution                | 32 bits                          |
| Mode                      | Quadrant, CW_CCW, PULSE_DIR      |
| Maixmum Rate              | 1 MHz                            |
| Digital Output channel    | 8                                |
| DO Isolation              | 2500 V optical Isolation         |
| Connector                 | SCISI-II 68-pin Female Connector |
| Power Consumption         | +5 V @ 500 MA                    |
| <b>Environment</b>        |                                  |
| Operating Temperature     | 0 ~ +60 °C                       |
| Storage Temperature       | -20 ~ +80 °C                     |
| Ambient Relative Humidity | 0 ~ 90 % RH, condensing          |
| Dimensions                | 120.4 mm x 90.8 mm               |

### Software Features:

|                         |                                |
|-------------------------|--------------------------------|
| Windows Dirver/DLL/Lib  | Windows 95/98/ME/NT4.0/2000/XP |
| DOS Library             | DOS 6.2                        |
| Labview Development Kit | Labview 5.0 ~ Labview 8.2      |
| Linux Libraty           | Linux 2.6                      |

### Ordering Information/Accessories:

| Model No.                  | Product Description   |
|----------------------------|---|
| <b>PISO-ENCODER600U CR</b> | Universal PCI Bus 6-axis Encoder Input Card (RoHS)<br>Include : CA-SC68, SCSI-II 68-pin Male Connector (Solder Type) with Cover |
| DN-68 CR                   | Encoder Input Board for PISO-ENCODER300U / PISO-ENCODER600U   |