



# PCI Bus Digital I/O, GPIB, & Motion Control Board



**32-channel Isolated Digital I/O Board**

**PISO-730**

- Output**
- Open-collector output (NPN)
  - Current output: 125mA/each
- Input**
- Optical-isolated digital input
  - Input voltage: DC 3.5~30V ranges
  - 16-channel non-isolated digital input
  - 16-channel non-isolated digital output
  - 5V PCI board
  - Dimensions: 170mm x 105mm

**Motion Control Board**



**3-axis Pulse-type Servo Motor Control Board**

95/98, NT, LabVIEW Driver Available soon!

**PISO-PS300**

- 3-axis pulse output
- Max. pulse rate: 1MHz
- Encoder read back
- 3-axis linear interpolation, circular interpolation
- Programmable trapezoid speed profile
- Programmable DDA cycle
- Hardware emergency stop, program stop
- 8 digital inputs, 7 digital outputs
- Dimensions: 208mm x 121mm



**NEW**

**16-Channel optically isolated Digital input, 16-Channel open-collector Digital output and 32-Channel TTL-level Digital I/O Board**

**PISO-730A**

- 16-Channel isolated Digital input
- 16-Channel open-collector Digital output
- Source current: 100mA / per channel (PNP)
- Output voltage: 10 to 30 Vdc
- 32 TTL-level DIO channels (16 x DI & 16 x DO)
- One DB-37 D-type connector for isolation input and output
- Two separate 20-pin connectors for non-isolated input and output channels



**PCI Bus 6 axes Encoder input board**

**PISO-Encoder600**

- 6-axis Encoder counter
- True 32 bits counter
- A+, A-, B+, B-, C+, C- inputs
- 7 digital outputs.
- Maximum counting rate: 1MHz.
- Counting mode: Quadrant (AB phase), CW\_CCW, PULSE\_DIR
- 3 kinds of counter reset mode: 1.register reset, 2.index reset, 3. hardware reset.
- BCB, VB and Delphi demos with source code.
- Dimensions: 157mm x 106mm

**Timer/Counter Board**



**12-channel Timer/Counter Board**

**PCI-TMC12A**

- On board four 8254 timer/counter chip
- 12-channel 16-bit timer/counter
- 2 internal clock selected from 4 clock source
- 12 external clock input
- 4 interrupt source
- 16 digital inputs/16 digital outputs
- 5V PCI board
- Dimensions: 150mm x 105mm



**PCI Bus 3 axes Encoder input board**

**PISO-Encoder300**

- 3-axis Encoder counter
- True 32 bits counter
- A+, A-, B+, B-, C+, C- inputs
- 7 digital outputs.
- Maximum counting rate: 1MHz.
- Counting mode: Quadrant (AB phase), CW\_CCW, PULSE\_DIR
- 3 kinds of counter reset mode: 1.register reset, 2.index reset, 3. hardware reset.
- BCB, VB and Delphi demos with source code.
- Dimensions: 157mm x 106mm

# ISA Bus Isolated Data Acquisition & Motion Control Boards



## ISO-AD32H/32L

- 32 single-ended/ 16 differential analog input
- Max. 200K sampling
- 12 bit resolution, 1K bytes FIFO
- Auto-channel/gain scan
- ISO-AD32H gain: 0.5, 1.5, 10, 50, 100, 500, 1000
- ISO-AD32L gain: 0.5, 1, 2, 4, 8



## ISO-730

- 16-Channel isolated Digital input
- 16-Channel isolated Digital output (open collector output)
- 16 TTL DI, 16 TTL DO



## ISO-813

- 32-channel singled-ended analog input
- 2,500V isolation
- 12-bit resolution
- Programmable gain: 1, 2, 4, 8, 16



## P8R8DIO

- 8-Channel isolated Digital input
- 8-Channel relay output

## P16R16DIO

- 16-Channel isolated Digital input
- 16-Channel relay output



## ISO-LDH/ISO-LDL

- 500V isolation
- 1 strain gauge input, 1 analog input channel
- 12-bit D/A bias voltage
- Max. A/D sampling: 20K, Max. gain: 1,000,000
- +12V excitation source for loadcell
- 8 isolated DI, 7 isolated DO, 8 TTL/LED analog input magnitude indicators



## SERVO-300

- Control 3 servo motor
- V command output
- Embedded cpu on board
- Encoder read back
- FIFO interface
- Linear interpolation/ circulation interpolation
- Pitch error compensation
- 2500 V optical isolation
- Dimensions: 208mm x 121mm

DB-8R



## ISO-DA8/DA16

- 2,500V isolation
- 8/16 channels, 14-bit voltage/ current output
- Power on analog output start-up value
- Trimless and jumpless
- Voltage output range: 0-5V, +/-5V, 0-10V, +/-10V
- Current output range: 0-20, 4-20 mA



## STEP-200

- 2 axis stepper motor or pulse-type servo motor control
- Embedded cpu on board
- FIFO interface
- Linear interpolation/ circulation interpolation
- Dimensions: 167mm x 108mm



## ISO-P32C32

- 32-Channel isolated Digital input (NPN)
- 32-Channel isolated Digital output (open-collector output)

## ISO-P64

- 64 isolated DI channels

## ISO-C64

- 64 isolated DO (open-collector output) channels (NPN)



## Encoder-300

- Accept inputs from incremental or quadture encoders
- 3 independent axes
- Max. quadture input frequency 1MHz
- Counters per encoder cycle: x1, x2, x4
- Dimensions: 167mm x 108mm