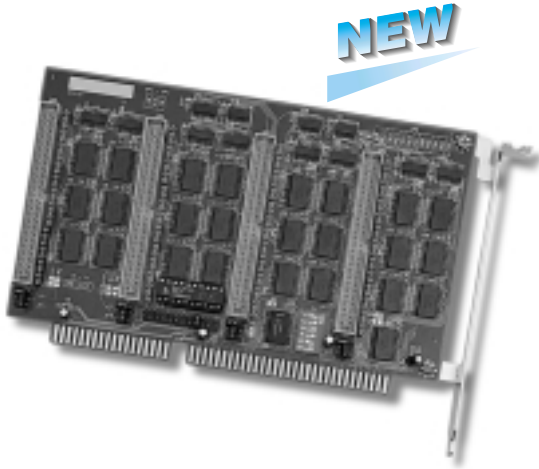# AX5215H

96 Bit DIO Board

NEW

■ Features

- IBM™ PC/AT compatible DIO board
- 96 lines, each group consists of 24 channels, TTL/DTL compatible DIO
- Emulates 8255 PPI mode 0
- 24mA high sink current
- Capable of driving Opto-22 compatible I/O module
- Software programmable for inputs/outputs

■ General Description

The AX5215H is a 96 channels (bits) digital input and output board that plug into IBM™ PC/AT compatible computer. The board can be used with TTL low-level input/ output circuitry or with AX754, AX755, AX756 and AX1416/24 providing isolation for interfacing with high level input and output signals.

The 96 channels are arranged into four separated groups, each group consists of 24 channels DIO. Each group emulates a 8255 PPI chip mode 0 in software. The 24 channels DIO is further divided into three ports with 8 bits per port. The 8-bit port can be configured to function as input or output.

There is unique feature associated with AX5215: an interrupt on change of state. This feature frees up the PC to do other activities since there is no need to poll the digital input port for an event to occur.

■ Specifications

Input and Output

- **Input/Output Lines:** 96
- **Operation Mode:** 8255 PPI Mode 0 compatible
- **Input/Output Mode:** Pair
- **Interrupt Options:**
  Jumper-selectable to level 2, 3, 4, 5, 6, 7, 10, 11, 12, 14, 15
- **Improved Noise Margins:**
  Hysteresis VT+ - VT- = 0.4 typ.
- **Input/Output Level:** TTL/DTL Compatible
- **Added Pull-up Resistor:**
  CMOS/DRY CONTACT Compatible

Power Requirement

- **5VDC:** 1.25A typ.

Physical/Environmental

- **Dimensions:** 169 x 99mm
- **Weight:** 136g
- **Relative Humidity:** 0 to 90%, non-condensing

■ Ordering Information

- **AX5215H**
  96 Bit DIO Board

Screw Terminal Panel

- **AX951A/B**   Universal Screw Terminal Panel

Signal Conditioning Panel

- **AX754**   24 Channel Opto-isolated DI Panel
- **AX755**   8 Channel Relay Output & 16 Channel Opto-isolated DI Panel
- **AX756A/B**   24 Channel Relay Actuator Panel
  Note: SSR I/O Panels and Modules are also available, please turn to the "Terminal & Signal Conditioning Family" for more details.

Software Driver

- **AS59099** DOS, Windows® 3.1, Windows® 95/98/NT DLL driver, and device utility (in CD-ROM)
  (Note: for PCI board, DOS and Windows® 3.1 DLL driver are not avaiable
- **AS59080** Including ActiveX control driver, 3rd party drivers (LABTECH, Labview, Dasylab), and OPC server