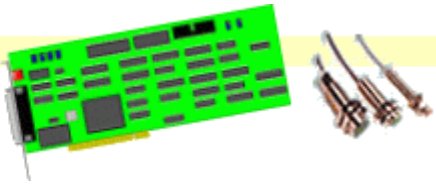
# ISA AD/DA CARD



12 BIT AD/DA CARD

## Introduction

The 12 bit A/D-D/A card is a high precision data conversion system for PC/486, Pentium, or compatibles. It contains one 12 bits digital to analog channel (setting jumper 2 for selecting unipolar or bipolar) and sixteen 12 bits analog to digital channels (setting jumper 3 for selecting unipolar or bipolar).

## The features of the 12 bit A/D-D/A board are:

**D/A:**

- Support one 12 bits channel.
- Output voltage. (adjust by VR)
  unipolar: 0V to 9V.
  bipolar: -9V to 9V.
- Unipolar or bipolar selectable,
- Current setting time 500nsec.
- Nonlinearity 0.2%.

**A/D:**

- Support sixteen 12 bits channels.
- Input voltage. (adjust by VR)
  unipolar: 0V to 9V.
  bipolar: -9V to 9V.
- Unipolar or bipolar selectable.
- Successive approximation method.
- Conversion time 60usec. (each channel)

**I/O port address: &H278-27F or &H2F8-2FF selectable.**

## Unpacking Information

**Check that your 12 bit A/D-D/A package includes the following items:**

- 12 bit A/D-D/A board.
- Demo Program.
-

Data Capture Software Manual with Disk.

- User manual.
- Warranty form.

## HARDWARE INSTALLATION

Your 12 bit A/D-D/A card is designed to be inserted in any available slot in your PC/486, Pentium or compatibles. In order to gain access to the expansion slots, follow the steps listed below:

- Turn off all power to your computer and all peripheral devices before installing your industry card.
- Remove the cover of the computer.
- Insert the 12 BIT AD/DA CARD into any available slot. Make sure the adapter is firmly seated in the chosen slot.
- Replace the cover of the computer.
- Connects the expansion cable to 25 pin connectors.
- Turn on the power of your computer.

## HARDWARE CONFIGURATION

Before you use the A/D-D/A card, you must ensure that the port address and jumper are set correctly, the proper settings for the A/D-D/A card are described in the following:

- I/O Port Address CLICK
- Jumper Settong CLICK
- D Type Connector Pin Assignment CLICK

## SOFTWARE DIAGNOSTIC

- Diagnostic Test CLICK
- Programming Techniques Under MS/DOS CLICK
- BASIC Test Program CLICK

## APPENDIX

- APPENDIX A CLICK

- Catalog CLICK
- Manual CLICK b
- Schematic CLICK

- Converter 

- Drivice Driver 

- Test Tool & Sample Code 

- Measurement & Applications