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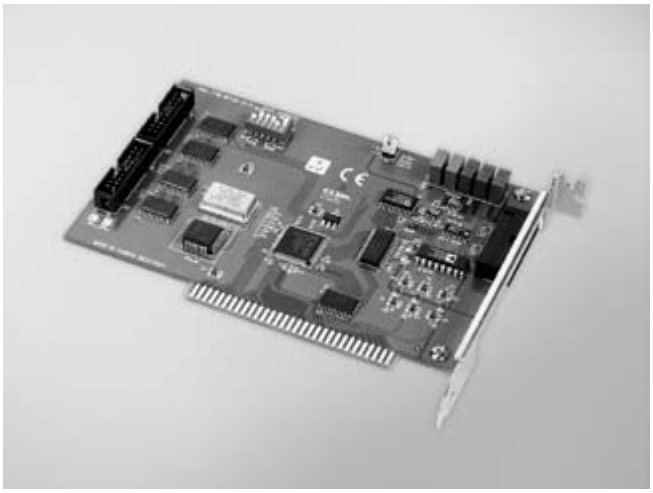
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Find the *Advantech PCL-711B* at our website: *Click HERE*

PCL-711B

40 kS/s, 12-bit, 8-ch ISA Multifunction Card



Features

- 8-ch single-ended analog input
- 12-bit A/D converter, with up to 40 kHz sampling rate
- Programmable gain
- One 12-bit analog output channel
- 16-ch digital input and 16-ch digital output
- Screw-terminal board and cable included

RoHS COMPLIANT 2002/95/EC CE

Introduction

PCL-711B offers four of the most popular I/O functions for PC and compatible systems: A/D conversion, D/A conversion, digital input and digital output. The inexpensive PCL-711B is ideal for entry level applications. The features of this half-sized card include: eight 12-bit analog inputs, one 12-bit analog output, 16 digital inputs and 16 digital outputs. In addition, it comes with a 20-point screw-terminal board and a flat cable connector. PCL-711B performs a variety of I/O jobs, and features solid software support and a large selection of available daughterboards and accessories. It is an ideal and affordable performer for OEMs, schools and hobbyists who require a combination of analog and digital I/O.

Specifications

Analog Input

- **Channels** 8 single-ended
- **Resolution** 12 bits
- **Max. Sampling Rate** 40 kS/s
- **FIFO Size** 0
- **Overvoltage Protection** 30 Vp-p
- **Input Impedance** >10 MΩ
- **Sampling Modes** Software, pacer or external trigger
- **Input Range (V)** ±5, ±2.5, ±1.25, ±0.625, ±0.3125
- **Accuracy** ±2 LSB

Analog Output

- **Channels** 1 double-buffered
- **Resolution** 12 bits
- **Output Rate** Static update
- **Output Range** 0 ~ 5 V or 0 ~ 10 V
- **Driving Capability** 5 mA

Digital Input

- **Channels** 16
- **Compatibility** 5 V/TTL
- **Input Voltage** Logic 0: 0.8V max.
Logic 1: 2.0V min.

Digital Output

- **Channels** 16
- **Compatibility** 5 V/TTL
- **Output Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min.
- **Output Capability** Sink: 8 mA
Source: 0.4 mA

General

- **Bus Type** ISA
- **I/O Connectors** 3 x 20-pin box header
- **Dimensions (L x H)** 155 x 100 mm (6.1" x 3.9")
- **Power Consumption** 5 V @ 500 mA typical, 1.0 A max.
12 V @ 50 mA typical, 100 mA max.
-12 V @ 14 mA typical, 20 mA max.
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 65° C (-4 ~ 149° F)
- **Storage Humidity** 5 ~ 95% RH non-condensing (refer to IEC 68-2-3)
- **Certifications** CE

Ordering Information

- **PCL-711B** 40 kS/s, 12-bit, 8-ch ISA Multifunction Card
- **PCL-10120-1** 20-pin Flat Cable, 1 m
- **PCL-10120-2** 20-pin Flat Cable, 2 m

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