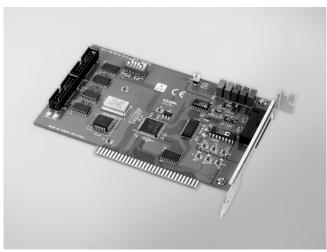
PCL-711B

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





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 $0 \sim 50^\circ$ C $(32 \sim 122^\circ$ F) • Storage Temperature $-20 \sim 65^\circ$ C $(-4 \sim 149^\circ$ F)

• **Storage Humidity** 5 ~ 95% RH non-condensing (refer to IEC 68-2-3)

- Certifications CE

Ordering Information

PCL-711B
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PCL-10120-1
 PCL-10120-2
 20-pin Flat Cable, 1 m
 20-pin Flat Cable, 2 m