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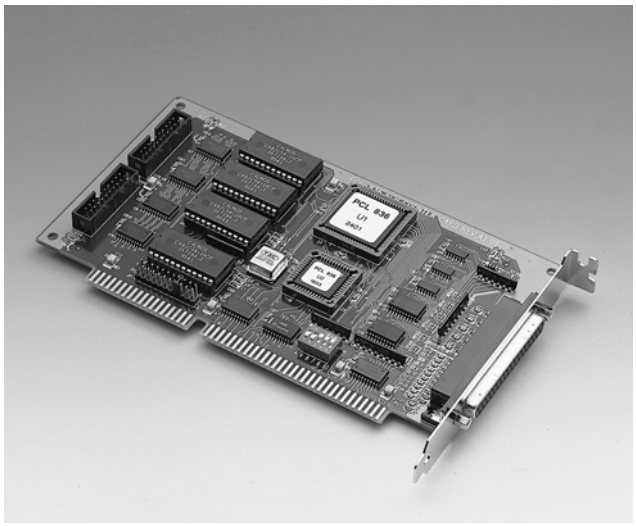
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Find the *Advantech PCL-836* at our website: ***Click HERE***

PCL-836

6-ch Counter/Timer Card



Features

- Periodic interrupt generation
- 6 independent 16-bit counters
- Digital filter for noise reduction
- Binary or BCD counting
- Programmable frequency output
- Complex duty-cycle output
- Single-shot output
- 16-bit TTL input and 16-bit TTL output ports
- Selectable interrupt input channel
- Up to 10 MHz input frequency
- Pulsewidth and period measurement
- Time-delay generation
- F/V conversion and accumulation

Introduction

The PCL-836 is a general purpose counter/timer and digital I/O card for PC/AT compatible computers. It provides six 16-bit counter channels. It also includes 16 digital outputs and 16 digital inputs. Two 8254 chips provide a variety of powerful counter/timer function modes to match your industrial and/or laboratory applications.

Unique Digital Filter

The PCL-836 includes a unique digital filter to eliminate noise on the input signal. The frequency can be adjusted to provide more stable output readings.

Applications

- Event counting
- Industrial automation (flowmeter/wattmeter monitoring)
- Programmable frequency synthesis
- Frequency counter

Specifications

Programmable counter

- **Counter:** six independent 16-bit counter channels
- **Modes:** six programmable counter modes
- **Programmable Digital Noise Filter:** 1.6 msec. to 52 msec.
- **3 PWM Output**
- **TTL Compatible Input/Output**
- **Interrupt:** IRQ 2, 4, 5, 7, 10, 11, 12, 15 (jumper selectable)

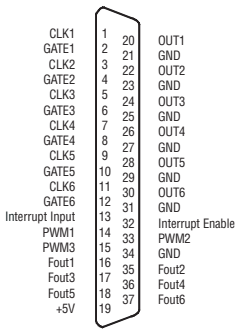
Digital input/output

- **16 TTL Input Channels:**
  Logic level 0: 0.8 V max.
  Logic level 1: 2.4 V min.
- **16 TTL Output Channels:**
  Logic level 0: 0.5 V max. @ 8 mA
  Logic level 1: 2.4 V min. @ 0.4 mA

General

- **Power Consumption:** +5 V @ 360 mA (typical)
  +5 V @ 400 mA (max.)
- **Operating Temperature:** 0° ~ +60° C (32° ~ 140° F)
- **Storage Temperature:** -20° ~ +70° C (-4° ~ 158° F)
- **Operating Humidity:** 5% ~ 95% RH non-condensing
  (refer to IEC 68-2-3)
- **Connector:** one 37-pin D-type female connector for counter I/O
  two 20-pin male flat-cable connector for digital I/O
- **Dimensions:** 185 mm (L) x 100 mm (H) (7.3" x 3.9")

Pin Assignments



Ordering Information

- ❑ **PCL-836:** 6-channel counter/timer card, user's manual and driver CD-ROM (cable not included)
- ❑ **PCL-10137-1/2/3:** DB-37 cable assembly, 1, 2 and 3 m
- ❑ **PCLD-880:** Screw terminal board
- ❑ **ADAM-3937:** DB-37 wiring terminal for DIN-rail mounting

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