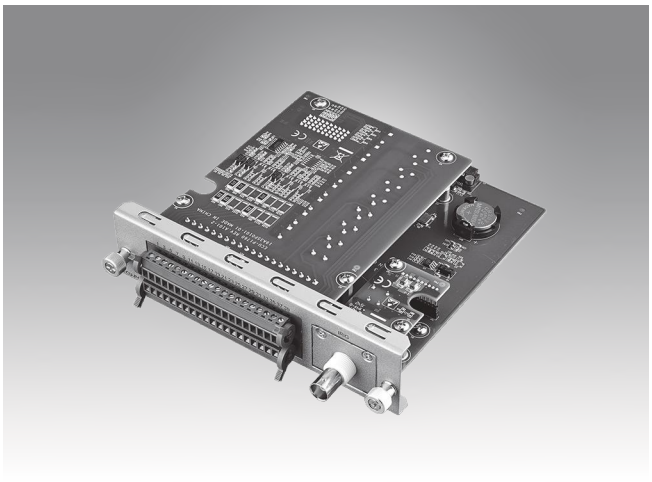
# ECU-P1761

## 4-ch Isolated Digital Input, 4-ch Isolated Relay Output with IRIG-B Board



## Features

- CE/FCC Certification
- 4 x Isolated Digital Input
- 4 x Isolated Relay Output
- 1 x IRIG-B
- PCI Extension
- Operation Temp: -25 ~ 70°C

RoHS COMPLIANT 2002/95/EC CE FCC

## Introduction

The ECU-P1761 is a PCI extension card with Digital Input and Relay Output function to fulfill the acquisition requirement in power automation. With 4x DI, 4x RO and 1x IRIG-B, ECU-P1761 enrich the Advantech acquisition solution under power & energy x86 architecture UNO-4673A/4683 and ECU-4784 computers.

## Specifications

### General

- **Connector** 120-pin connector for UNO- 4673A/4683/ECU-4784
- **BUS Interface** PCI
- **Dimensions** 5.3" x 6.0" (136 x 150 mm)
- **Power Requirements** 5 V @ 150 mA (typical)
  3.3 V @ 60 mA (typical
- **Certification** CE, FCC, IEC-61850-3 Compliant

### Digital Input

- **Channels** 4
- **Connector** Terminal Block
- **Input Type** Wet Contact (Sink)
- **Input Voltage 48$V_{DC}$** Logic 0: 0~10 V
  Logic 1: 30~48 V
- **Input Voltage 125$V_{DC}$** Logic 0: 0~20 V
  Logic 1: 100~157 V
- **Input Voltage 250$V_{DC}$** Logic 0: 0~40 V
  Logic 1: 180~313 V
- **Response time** 1ms
- **Isolation Voltage** 2,500 $V_{DC}$

### IRIG-B

- **IRIG Interface** BNC
- **Precision** 1ms
- **Resolution of time** 1s

### Relay Output

- **Channels** 4
- **Connector** Terminal Block
- **Output Type** Relay: 1 Form C
- **Relay Output Voltage** 250 $V_{AC}$/$V_{DC}$
- **Max. Switching Voltage** 400 $V_{AC}$
- **Relay Output Current** 25°C 3A, 70°C 1A
- **Operate/ Release Time** Max. 8 ms
- **Isolation Voltage** 2500 $V_{DC}$

### Environment

- **Operating Temperature** -25 ~ 70°C (-13 ~ 158°F)
  IEC 60068-2-2 with 100% CPU/ I/O loading, 24 hrs
- **Operating Humidity** 5 ~ 95% RH (non-condensing)
- **Storage Humidity** 5 ~ 95% RH (non-condensing)

## Ordering Information

- **ECU-P1761A-AE** 4-ch DI, 4-ch RO Isolated Board with IRIG-B
- **ECUP1761AA1701E-T** 4-ch DI, 4-ch RO with IRIG-B board 125$V_{DC}$
- **ECUP1761AA1801E-T** 4-ch DI, 4-ch RO with IRIG-B board 250$V_{DC}$