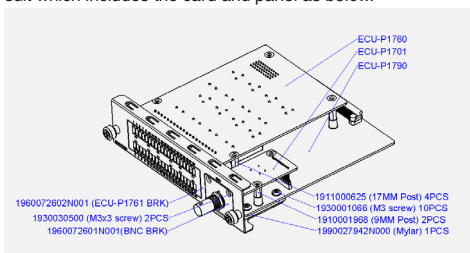


# ECU-P1761

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

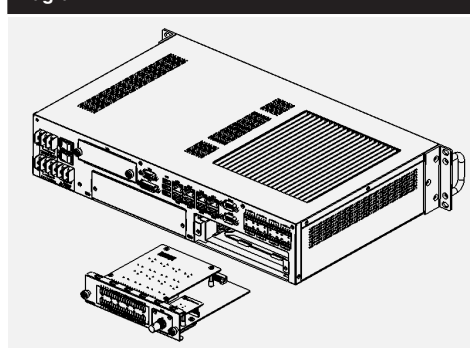
### Packing List

Before installation, make sure that you have the ECU-P1761 suit which includes the card and panel as below.



If anything is missing or damaged, contact your distributor or sales representative immediately.

### Diagram



### Notes

For more information on this and other Advantech products, please visit our websites at:

<http://www.advantech.com>

<http://www.advantech.com/eAutomation>

For technical support and service:

<http://www.advantech.com.tw/eservice>

This manual is for ECU-P1761

Part No: 2003P17600

1st Edition

June 2016

### Specifications

The ECU-P1761 supports the following specifications:

- 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: 5V @ 150mA (typical); 3.3V @ 60mA (typical)
- Certification: CE, FCC, IEC-61850-3 Compliant

### Digital Input

• Channels	4
• Connector	Terminal Block
• Input Type	Wet Contact (Sink)
• Input Voltage	Logic 0: 0~10V; Logic 1: 30~48V
• Response time	1 ms
• Isolation Voltage	2,500 VDC

### Relay Output

• Channels	4
• Connector	Terminal Block
• Output Type	Relay; 1 Form C
• Relay Output Voltage	250 VAC/VDC
• Max. Switching Voltage	400 VAC
• Relay Output Current:	25°C 3A, 70°C, 1A
• Operate/Release Time	Max. 8ms
• Isolation Voltage	2,500 VDC

### IRIG-B

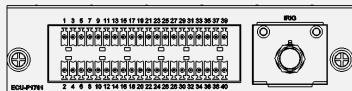
• IRIG Interface	BNC
• Precision	1ms
• Resolution of time	1s
• Message Syntax	YYYYQQQHMMSS (year, day, hour, minute& second)

### Installation

The ECU-P1761 is an expansion card for ECU-4784 which has 2 expansion slots and UNO-4673A/4683 which has 3 expansion slots. ECU-P1761 can be plugged into any of the slots. Follow these steps to integrate into ECU-4784/UNO-4673A/4683.

1. Select one of the slots: unscrew the two screws on the blank panel of the slot then remove the blanking plate.
2. Plug the ECU-P1761 into the selected slot of ECU-4784/ UNO-4673A/4683 carefully and fix it by the two screws on the panel.

# Pin Assignment



Pin	Description	Pin	Description
1	DI0	2	DI1
3	DI2	4	DI3
5	NC	6	NC
7	NC	8	NC
9	IGND	10	IGND
11	NC	12	NC
13	NC	14	NC
15	NC	16	NC
17	NC	18	NC
19	NC	20	NC
21	NC	22	NC
23	NC	24	NC
25	NC	26	NC
27	NC	28	NC
29	NO0	30	NO1
31	COM0	32	COM1
33	NC0	34	NC1
35	NO2	36	NO3
37	COM2	38	COM3
39	NC2	40	NC3