



### Optional Modules

- Step Motor extension module
  1. Quar-phases 12V step motor x 1
  2. Step motor position control
  3. Step motor speed control
- Direct Fan extension module
  1. 12V direct fan x 1
  2. Fan motor speed control
- Temperature Induction extension module
  1. Temperature induction circuit x 1

### Electronic Specification

- PCI Ver 2.1 interface

### Features

- External platform structure, professional design and understandable textbook and tools, let users quickly learn to control I/O under Windows/DOS through PCI interface card. Users can develop and learn PCI I/O control & experiments with C, VC language.
- Excellent expansionary. External modules include step motor, direct fan temperature induction and etc. Each module can be experimented separately or combined.
- Two main unit. One is LP-PCI-IO interface card and another is LP-PCI-LAB experiment platform.
- LP-PCI-LAB platform design. Provided with all experiment units and no needed to weld or solder extra wire. Strong and durable structure fits for educational and professional training institute.
- LP-PCI-IO is a standard PCI interface card. It's a formal industrial control card meticulously designed by LEAP's R&D. It can be used to develop special subject or research. And also can be applied to experiment with various PC peripheral.

### Specifications

- Logic Input Unit:
  1. Logical input keypad x 8
  2. 4X4 numeral matrix keypad x 1
- Output Unit:
  1. 16X16 dot-matrix LED display x 1
  2. 6 digitals 7 segments display x 1
  3. 16X2 characters LCD display x 1
  4. Buzzer output x 1
- Linear Unit:
  1. 1 set 8bits A/D input
  2. 2 sets 8bits D/A output
- Extend Unit:
  1. 10x2 Pin 2.0mm Connector x1
  2. 12x2 Pin 2.0mm Connector x1

### Standard Accessories

1. LP-PCI-LAB main unit x 1
2. LP-PCI-IO interface card x 1
3. 68-pin cable x 1
4. Textbook ( includes manual) x 1
5. Software CD-R x 1

### Hardware Specifications

1. Dimension: 280 x 170 x 100 mm
2. Weight: 1.5 Kgs
3. Temperature: +5°C to +45°C
4. Humidity: up to 90% non-condensing
5. Altitude: up to 5000 m

