VP-1231-CE7 Quick Start

v1.2, September 2023

Packing List

In addition to this guide, the package includes the following items:

VP-1231-CE7

RJ-45 Waterproof Assembly

microSD Card and microSD to SD Adapter

Touch Pen

Panel clip *4

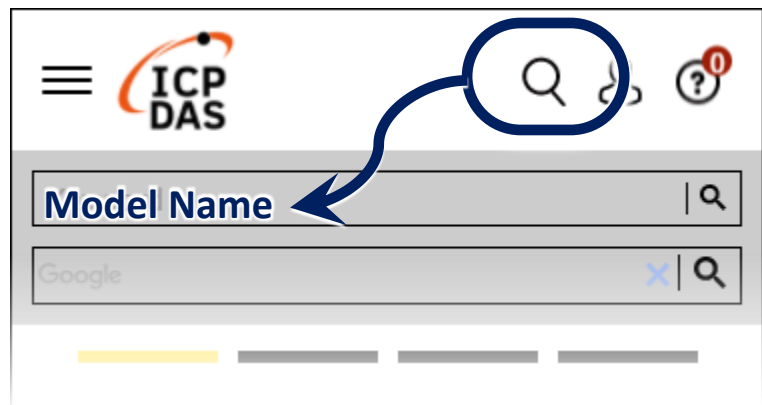**M4 x 30L Screw * 4**

Screw Driver

Technical Support

service@icpdas.com

www.icpdas.com

Resources

How to search for drivers, manuals and spec information on ICP DAS website.
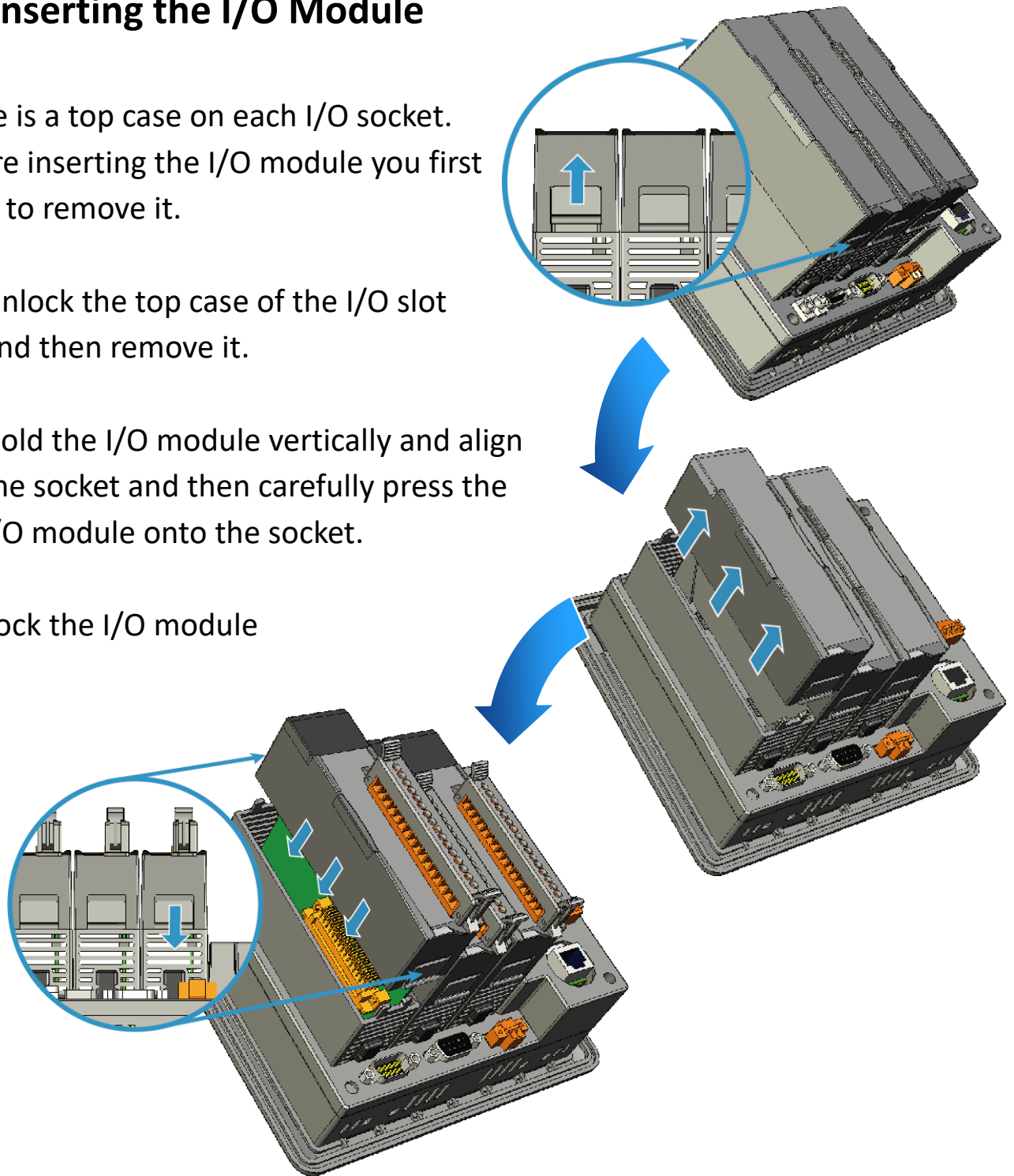
• For Mobile Web

Model Name

• For Desktop Web

Model Name

PRODUCTS   SOLUTIONS   NEWS & EVENTS   SUPPORT   CORPORAT

1 **Inserting the I/O Module**

There is a top case on each I/O socket. Before inserting the I/O module you first need to remove it.

1) Unlock the top case of the I/O slot and then remove it.

2) Hold the I/O module vertically and align the socket and then carefully press the I/O module onto the socket.
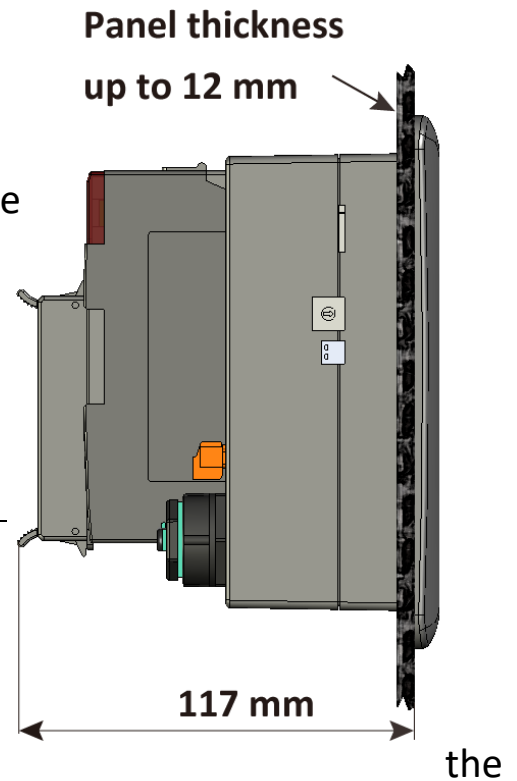
3) Lock the I/O module

Tips & Warnings

⚠️ If you do not expand the I/O module full, please keep the top case of the unused slot to protect the backplane from dirt, dust and damage from foreign objects.

2 Mounting the VP-1231-CE7

The VP-1231-CE7 can be mounted on a panel of maximum thickness 5 mm. Adequate access space can be available at the rear of the instrument panel for wiring and servicing purposes.
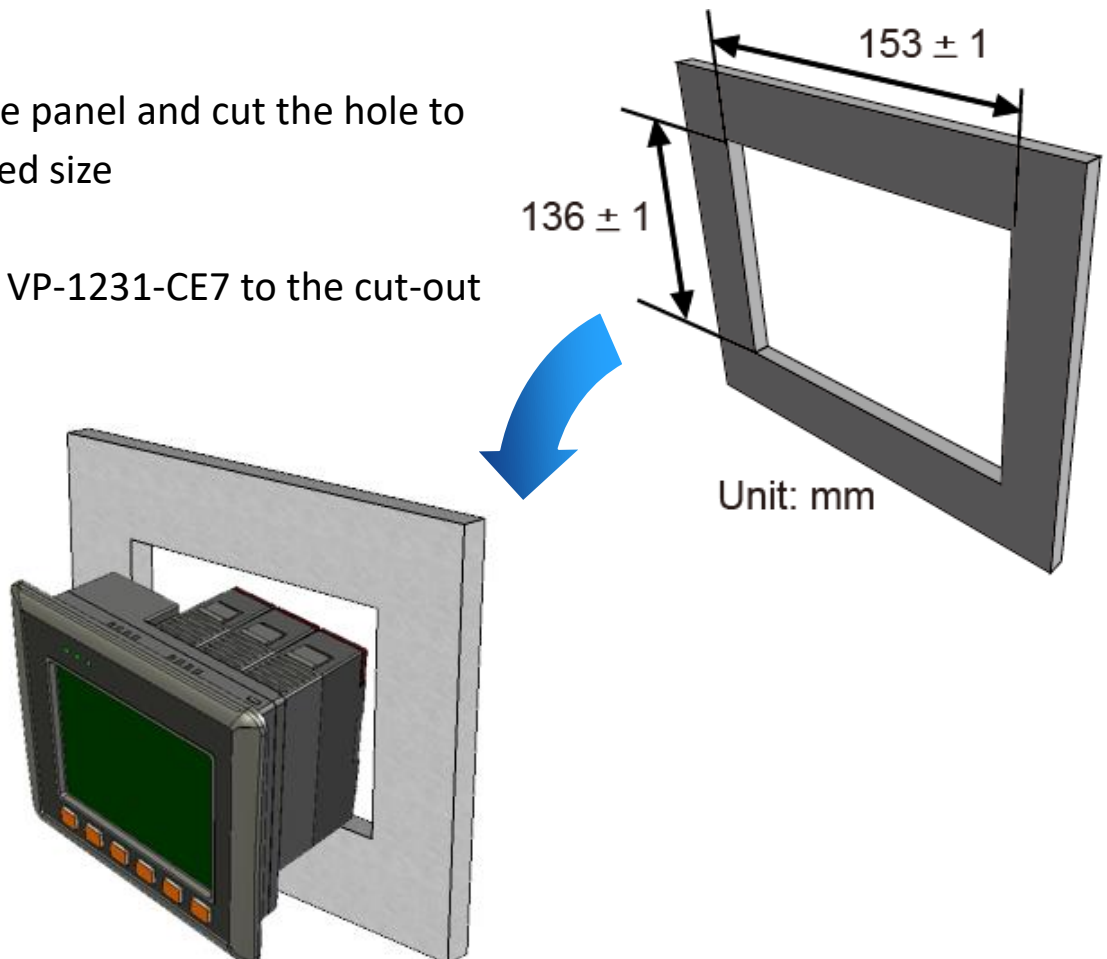
Panel thickness up to 12 mm
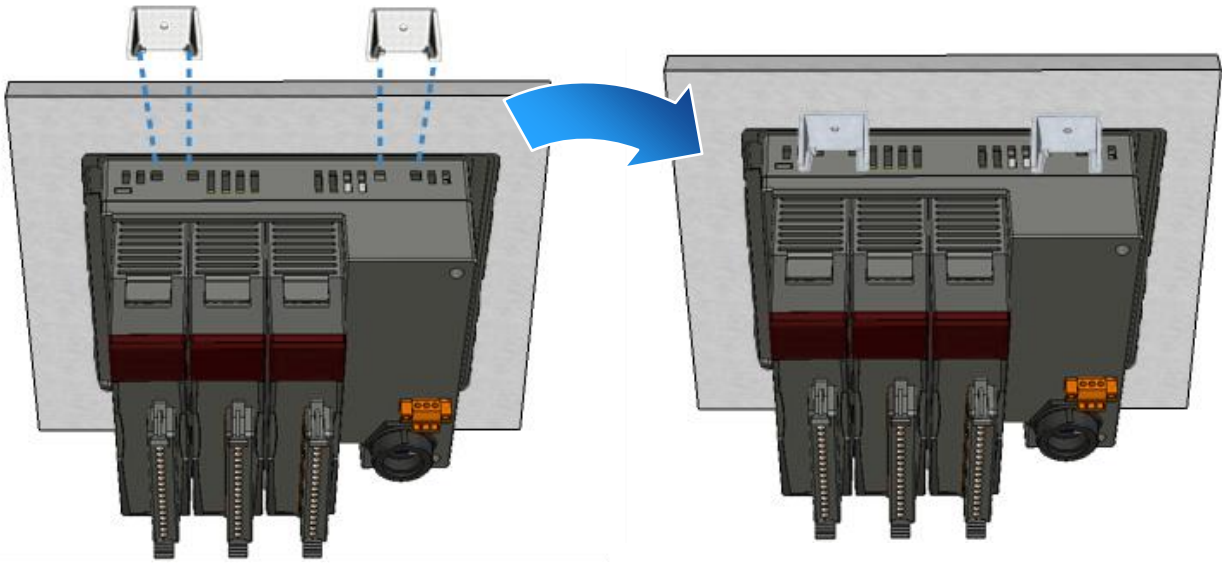
117 mm

Tips & Warnings

⚠️ To ensure proper ventilation for the VP-1231-CE7, leave a minimum of 50 mm space between the top and bottom edges of the VP-1231-CE7 and the enclosure panels.
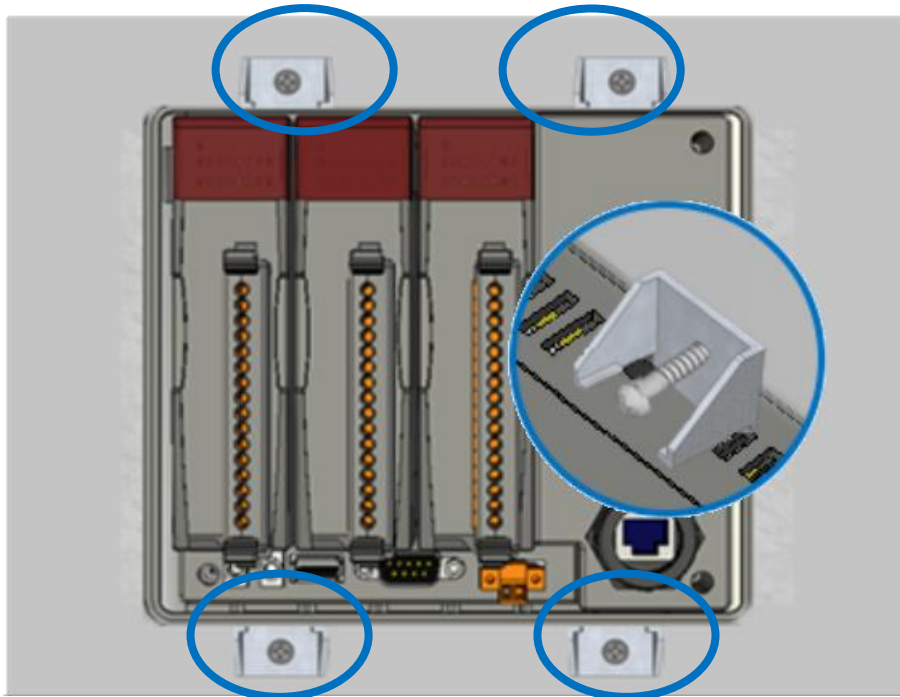
1) Prepare the panel and cut the hole to the specified size

2) Attach the VP-1231-CE7 to the cut-out hole

153 ± 1

136 ± 1

Unit: mm

3) Insert the panel mounting clips into the upper and lower ventilation holes

4) Screw the panel mounting clips to the panel.
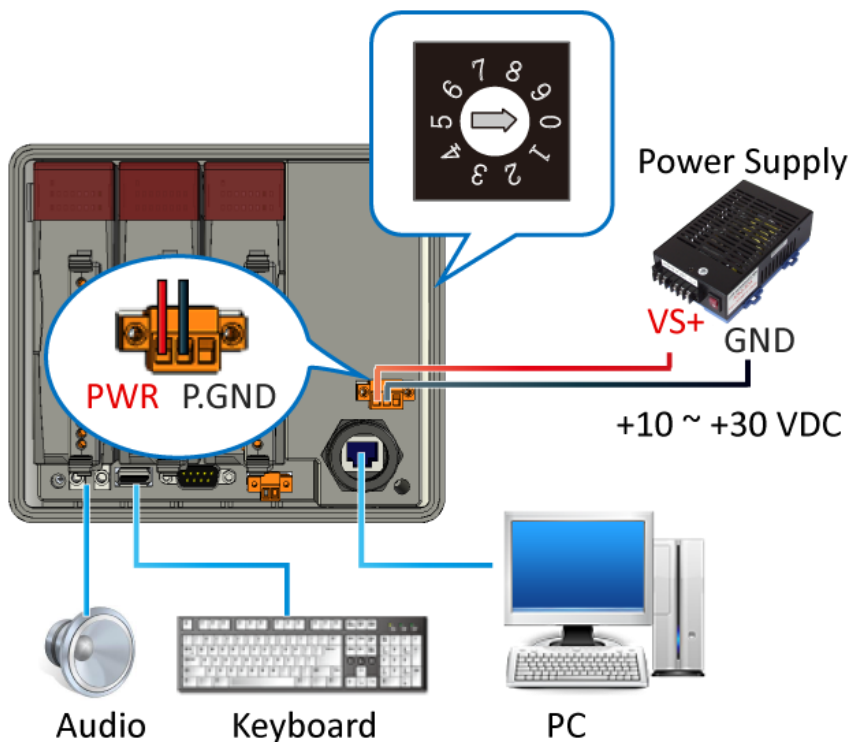

Tips & Warnings

⚠️ Recommended Screw Torque: 3.4 ~ 4.5 kgf-cm.

3 Configuring the Boot Mode and Connecting to PC, Monitor and Power Supply

Before starting any installation, be sure that the switch is placed in the "0" position.
The VP-1231-CE7 provides a variety of communication interface to suit a range of application. Here is a simple application for using the VP-1231-CE7.
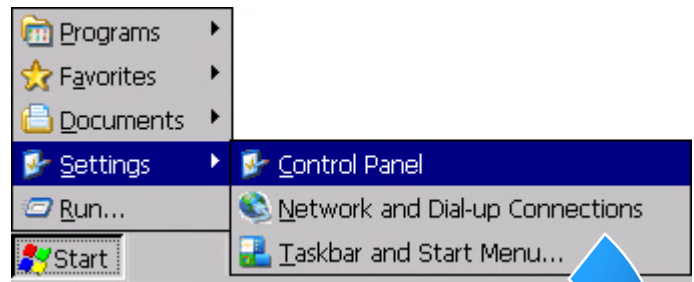
1) Place the rotary switch in position 0, Normal mode.
2) Connect the positive terminal (+) of the power supply to the terminal PWR1/2 and the negative terminal (-) of the power supply to the P.GND
3) Connect the USB mouse or the USB keyboard to the USB port

4 Changing the User Interface Language

The Regional and Language Settings is a Windows CE functionality that allows users to change the VP-1231-CE7 user interface with your native language.
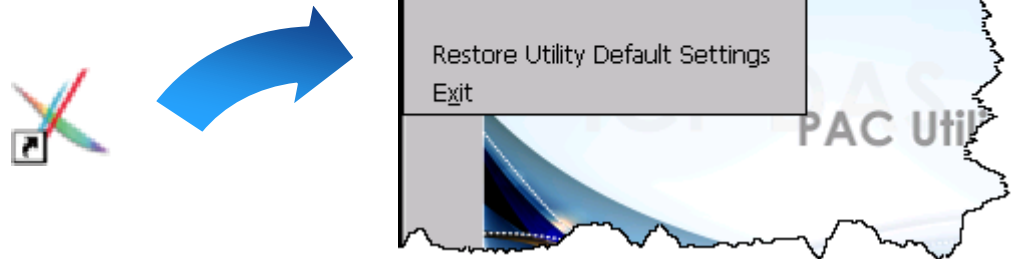
1) Click Start menu, point to Settings, click Control Panel, and then click Regional Settings

- Programs ▶
- Favorites ▶
- Documents ▶
- Settings ▶ → Control Panel
- Run... → Network and Dial-up Connections
- Start → Taskbar and Start Menu...

2) Click User Interface Language tab, choose to your local language, and then click OK button

Regional Settings

Regional and Language Settings ? OK ✕

| Regional Settings | User Interface Language | Input Language |

User Interface Language

The option will determine the language used for the menus, dialogs and alerts.

English (United States) ▼

English (United States)
French (France)
German (Germany)
Italian (Italy)
Portuguese (Brazil)
Spanish (Spain - International Sort)

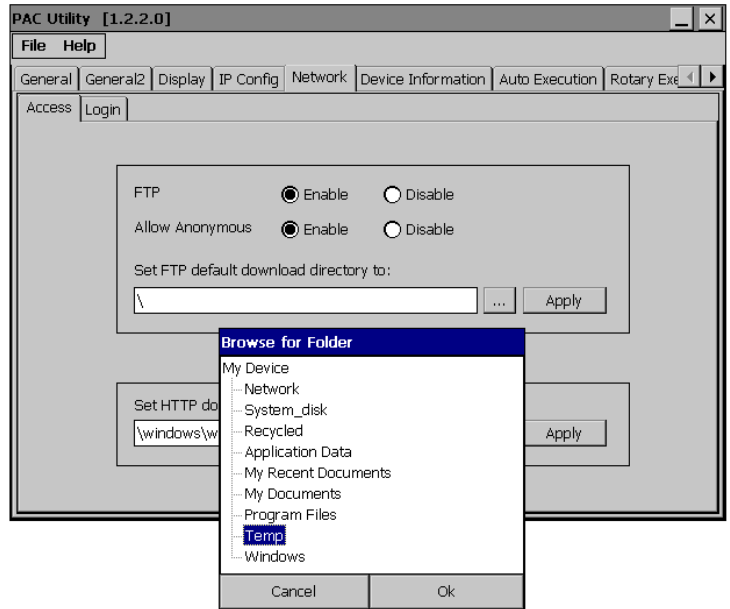**3)** Double-click the PAC Utility on the desktop, and then reboot the VP-1231-CE7 for changes to take effect

PAC Utility [1.2.1.4]

| File | Help |

Save
Save and Reboot   onfig | Network
Reboot

Restore Utility Default Settings
Exit

PAC Util

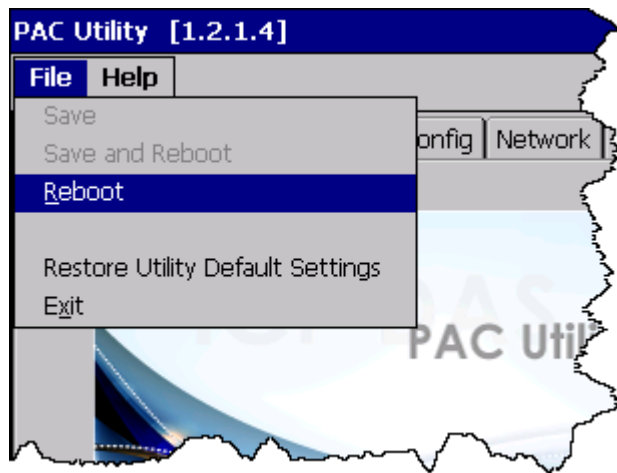# 5 Using PAC Utility to Manage the VP-1231-CE7

The PAC Utility is a collection of the VP-1231-CE7 system tool that allows users to manage and configure the VP-1231-CE7 quickly and easily.

1) Double-click the PAC Utility on the desktop

2) Configure IP address (DHCP), FTP Server, Auto Execution files…, etc

3) Reboot the VP-1231-CE7

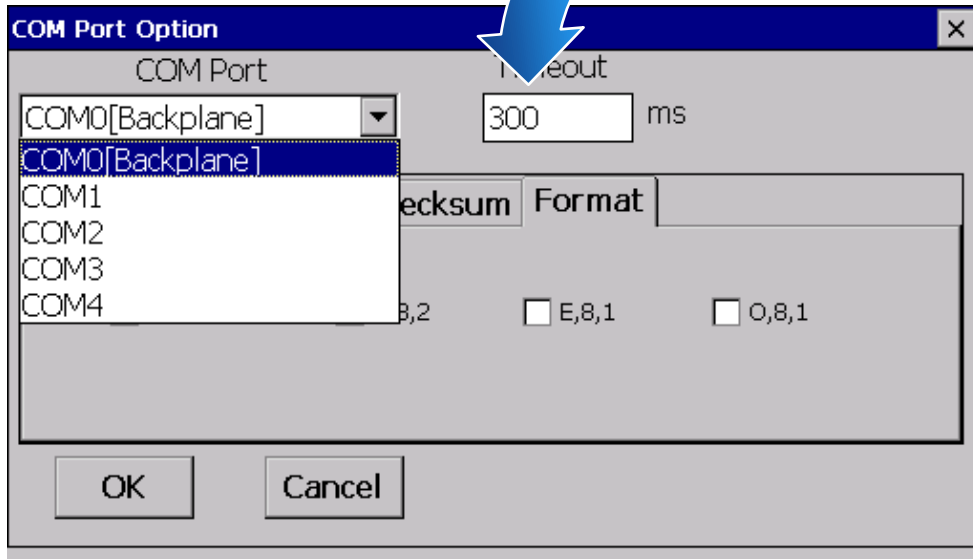# 6 Using DCON Utility Pro to Configure the I/O Module

DCON Utility Pro allows users to configure and manage the I/O modules via Ethernet or serial ports (RS-232/RS-485).

1) Double-click the DCON_Utility_Pro on the desktop

2) Click the ![button icon] button

3) Configure the communication settings

4) Click the ![play button] button

5) Click the module name to configure the I/O module