



# PANEL EXPRESS

Designed for Convenience

Installation Guide v2.1

Allen-Bradley



OMRON

SIEMENS



Box PC

PC

Panel PC



## ■ Technical support

Should you have any questions about PanelExpress, please do not hesitate to contact us via e-mail at [service@cermate.com](mailto:service@cermate.com)

## ■ How to report bugs or software issues

Cermate software team focuses on creating innovative yet the most powerful SCADA software- PanelExpress. However, there may be some bugs that need to be removed. If you find out any bugs, please e-mail us at [service@cermate.com](mailto:service@cermate.com).

Would you please describe in detail the specifications of your PC, PanelExpress version, tools using along with Panelespress, and how it happened with steps?

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## Chapter 1 PanelExpress running environment and installation

### § 1.1 Environment and hardware requirements

#### -Hardware CPU

Intel Atom or Celeron. Dual Core processors or higher recommended

#### -Hard driver size

It needs 170MB of hard drive space to install PanelExpress, and it takes 500MB of available hard drive space while installing PanelExpress

#### -RAM size

The ram size demand is the same as the operating system; however, a 1GB or above ram space is recommended when the application uses many high-resolution images.

#### -Support systems:

Windows Server 2008™

Windows 7™ SP1

Windows Vista™

Windows 10

## § 1.2 Installation

1. Please close all running applications on the PC which you are going to install the PanelExpress.
2. Click [\\Setup\Setup.exe](#) to install PanelExpress
3. Operate according to the InstallShield Wizard
4. Select language. There are three languages, Simplify Chinese, Traditional Chinese, and English. Click OK to finish language selection.

**\*Remark: The selection is for the language UI of the software; it's nothing to do with the language of the applications.**



Fig 1.1 Select PanelExpress UI Language

5. Preparing to install PanelExpress. The InstallShield wizard will detect the PC to decide if the PC fits the requirements before installing PanelExpress.

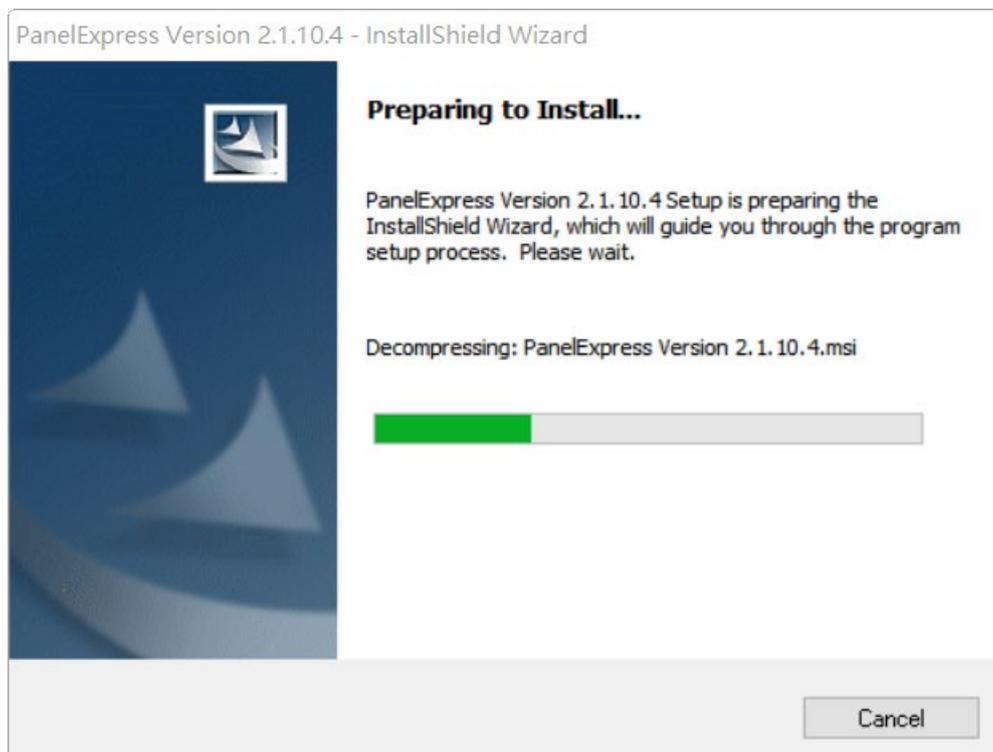


Fig 1.2 Preparing install PanelExpress

- When finishing detecting the PC, click Next to start the installation process.

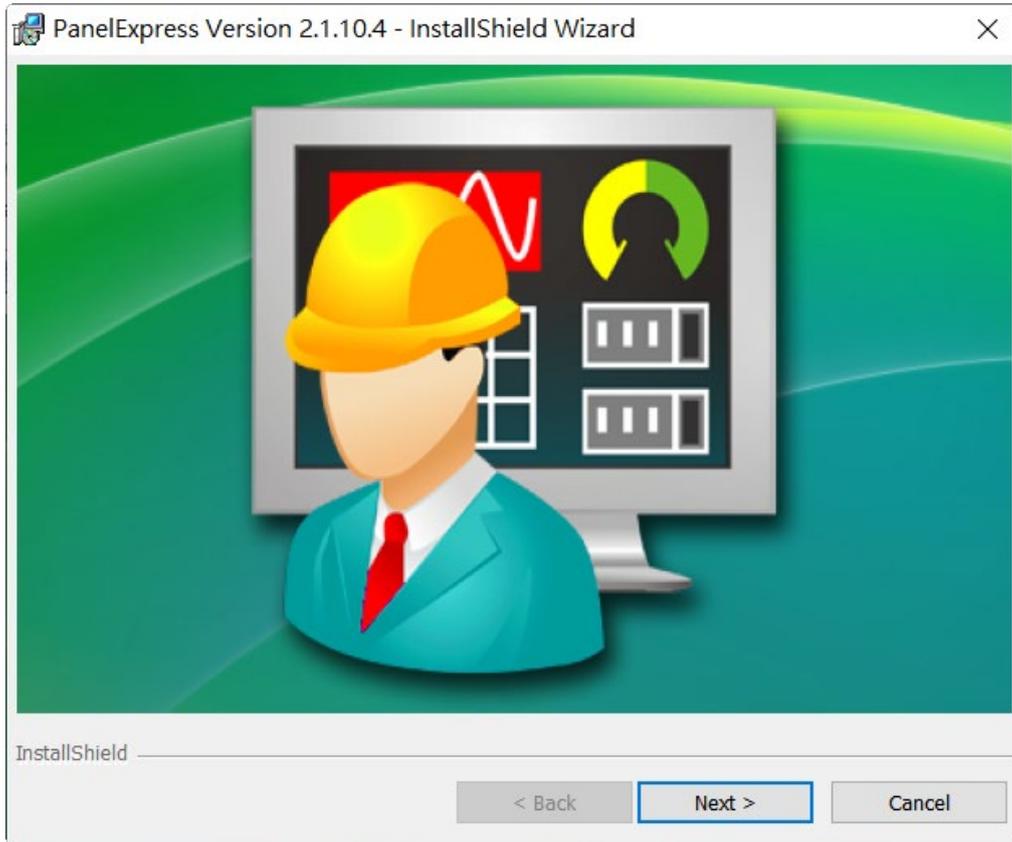


Fig 1.3 PC detecting complete



Fig 1.4 Start installation

7. Click Next to see a Customer Information dialogue message.

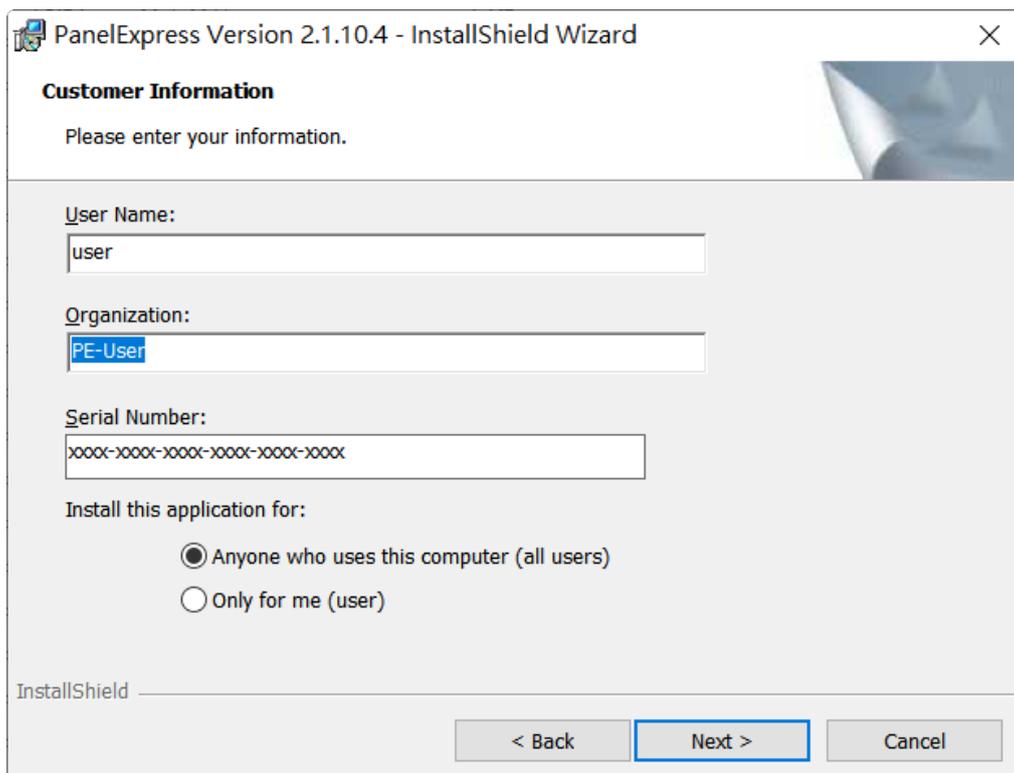


Fig 1.5 Customer Information

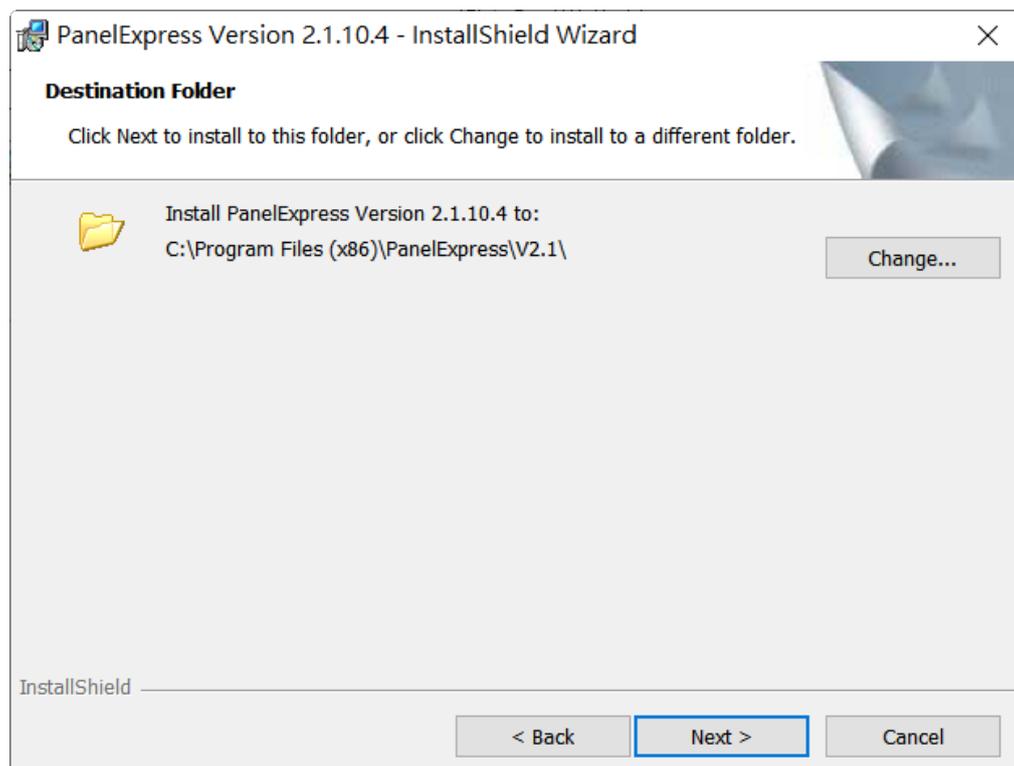


Fig 1.6 Destination folder selection



- The InstallShield will install the PanelExpress to a default folder C:\Program Files\PanelExpress. To change the folder, click Change to see a Change Current Destination Folder dialogue message.

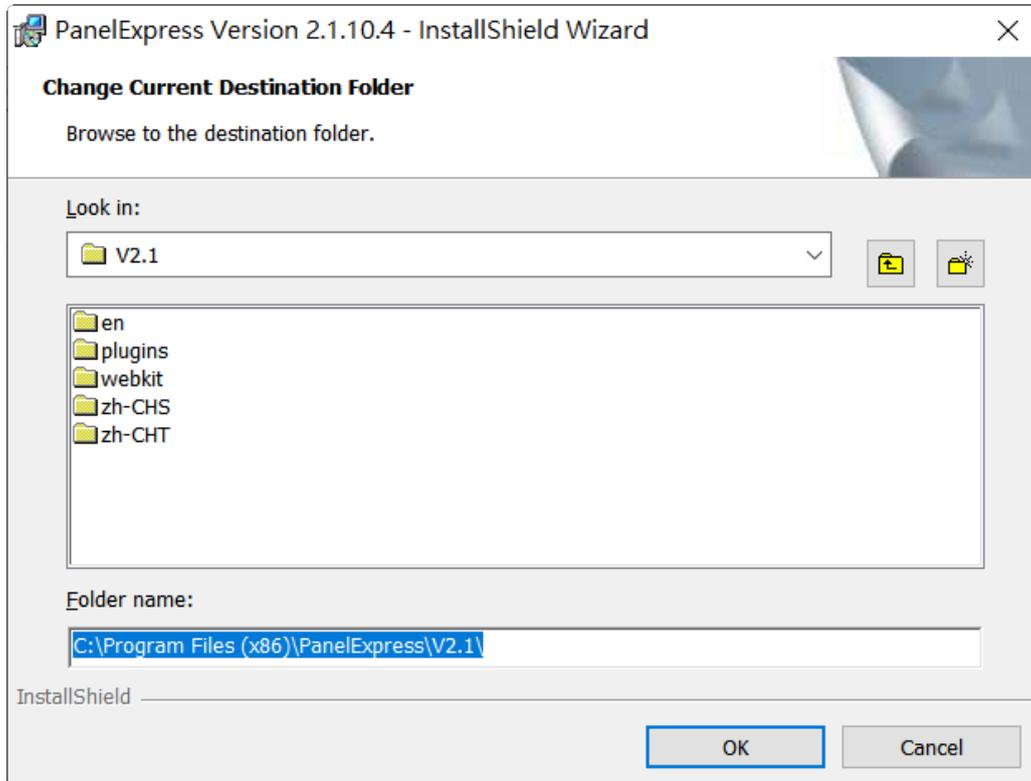


Fig 1.7 Change Current destination folder

Click Next to continue the installation.

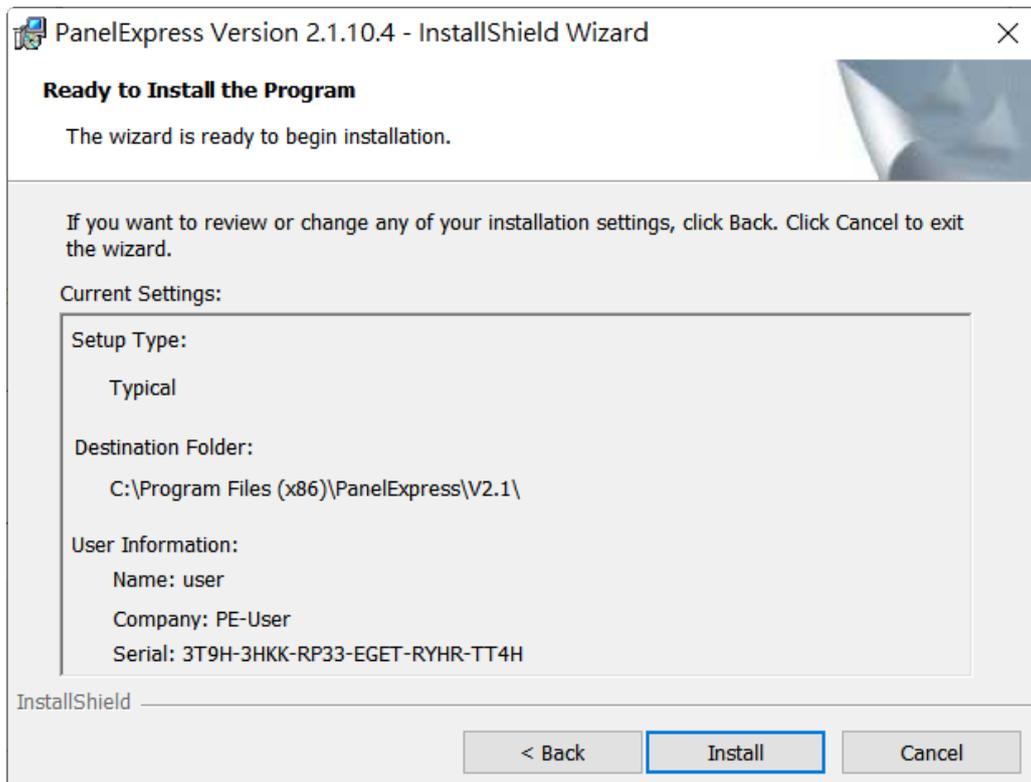


Fig 1.8 Review or change all settings

- 11. Please review all settings from here; you can click Back to the previous setting or Install to start the PanelExpress installation.

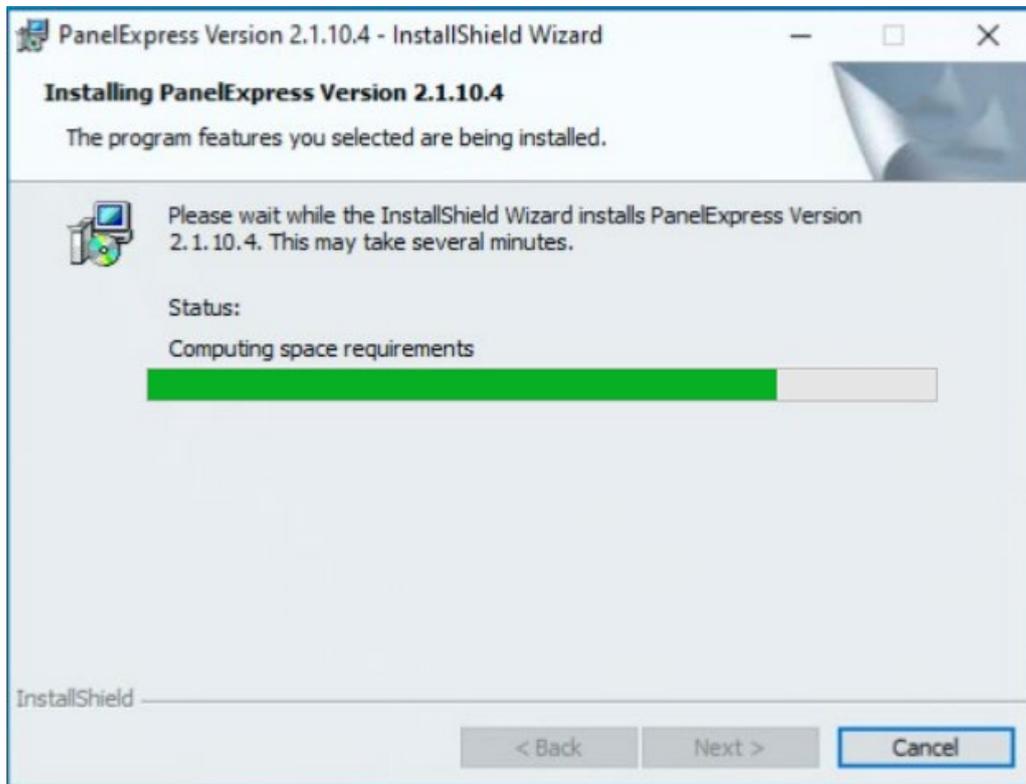


Fig 1.9 Installing PanelExpress

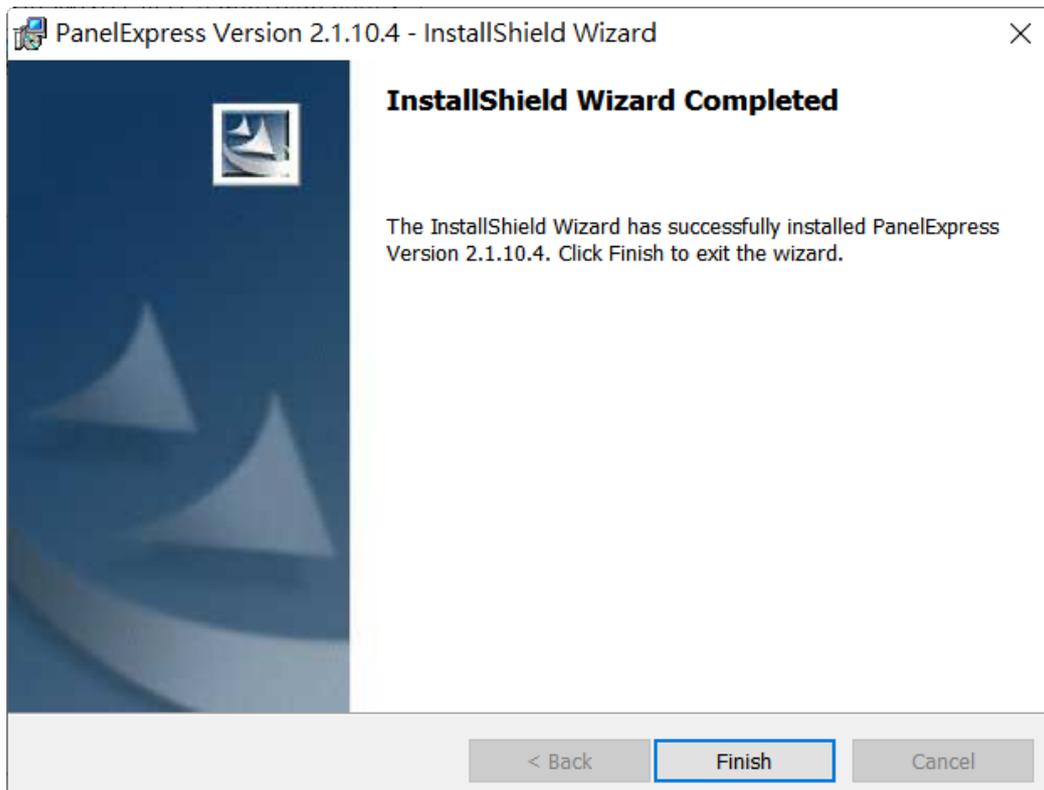


Fig 1.10 Installation completed



12. Icon/Program file: After installed, the system will build a PanelExpress program file folder and an icon



on the desktop PanelExpress. You can also find it from Windows<sup>TM</sup> start >Program files > PanelExpress

PanelExpress from the website <https://www.cermate.com/> or get a free copy from the local distributors. You should need a software license code to install.

## Chapter 2 Introduce PanelExpress

### § 2.1 Summery

The SCADA software is widely used in industrial automation as a server platform that controls onsite operations, collects and saves data. In addition, the computer resources enhance its graphic feature that helps intuitive designs. PanelExpress is a runtime SCADA software that offers free developer software (PM Designer) without I/O number limits; hence it's the most value-added software of most SCADA software on the market.

### § 2.2 Structure and features

#### §2.2.1 Software structure



Fig 2.1 PanelExpress interface



Icons	Name	Descriptions
	Hide	Add the software to the system tray.
	Minimize	Add the software to the taskbar
	Fullscreen	Switch to full screen
	Close	Close PanelExpress
	Open	Open applications
	Open Link table	Open related the link table of the application
	Stop running	Stop the running application
	Tool	Open tool manual
	About PanelExpress	Open the about PanelExpress to see the running version
	Open/Run application	Open/Run the application

### § 2.2.2 Software features

- ✓ Compatible with Windows rich resources
- ✓ Featured real-time operation as high-speed HMI
- ✓ Support Access, My SQL, and SQL ( Advanced version)
- ✓ Support customized tools and reports fitting your demands ( Advanced version)
- ✓ Various screen sizes for selection
- ✓ Support hundreds of file operations to save application data
- ✓ Support 30 languages for design
- ✓ Support multiple links and sublinks
- ✓ Monitor up to 64 data and simulating alarm block data.
- ✓ Support up to 16 recipe blocks
- ✓ Various ways of collecting data from multiple devices
- ✓ Review operating logs for important events
- ✓ Powerful and friendly user interface.

## § 2.3 Basic operation

### § 2.3.1 Run PanelExpress

#### 1、 Run PanelExpress

Double-click the PanelExpress icon on the desktop or double-click the PanelExpress.exe file from the program files folder to start the PanelExpress.

You can also double-click any .pe2 application to run PanelExpress.

#### 2、 Select applications

##### ➤ Related applications

When you start the PanelExpress, it will run the previous running application on the screen. At this moment, the "open/run application "Icon shows Running.

If you want to run a different application, please click the "Open file "  icon to select another application.

##### ➤ None related applications

When you run the PanelExpress the first time or the previous application was deleted, PanelExpress can not show any related applications. At this moment, the "open/run application "Icon shows Running as

well. If you want to run an application, please click the "Open file "  icon to select an application.

After selecting an application, the system will show related dialogues messages. Please operate according to the message.

When it's the first time running an application, the PanelExpress can not find any related dialogue messages; the system will show the dialogue message below. (Fig 2.2) Click "Yes "to continue or "No " to abort.

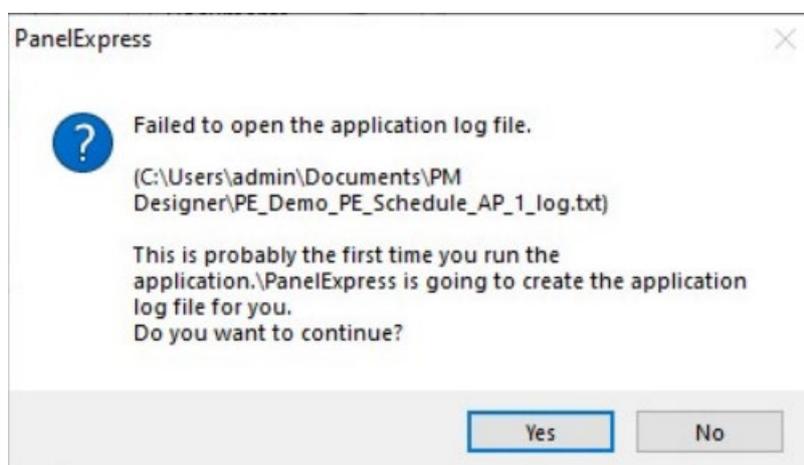


Fig 2.2 Fail to open an application dialogue message



When it's the first time running an updated application, you will see the "create a new data image file" dialogue message. Please select according to the description in the dialogue message. Click "Yes" to continue, if you select "No", it may lead to failure to open the application due to the wrong data image file.

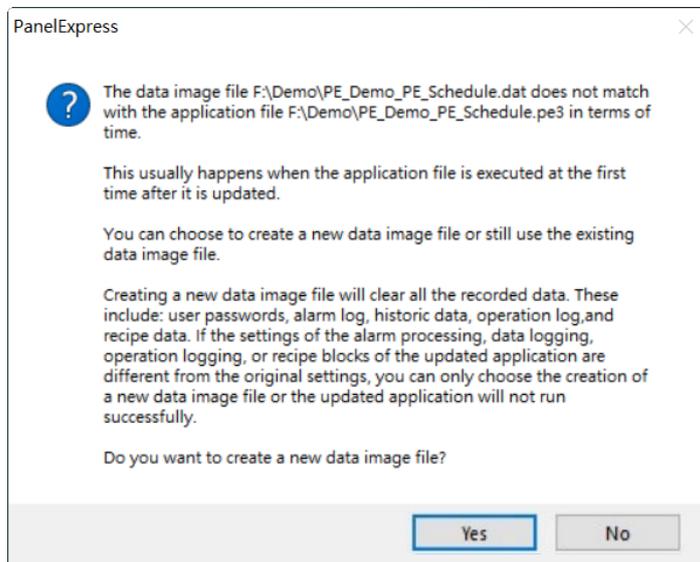


Fig 2.3 Create a new data image file

### 3、 Run applications

When the "Open/Run application" is in running mode , you can click this icon to run the selected application.

When the USB dongle is not plugged into the PC USB port, the system will show the dialogue below.

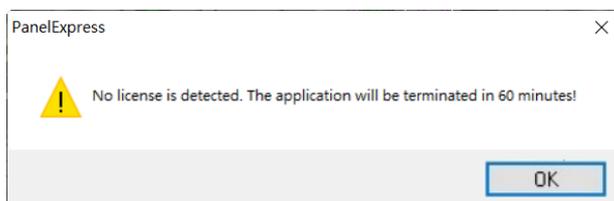


Fig 2.4 No USB Dongle detected

Without a license dongle, the PanelExpress will be a trial version only; however, it can still run for 60 minutes. To run the PanelExpress for the long term, please purchase a USB dongle.

\*Remark: When you can not open an application and see the dialogue message below, it means the application exceeds the licensed limitations, needs a higher version or was deleted. Please use PM Designer to regenerate the application.

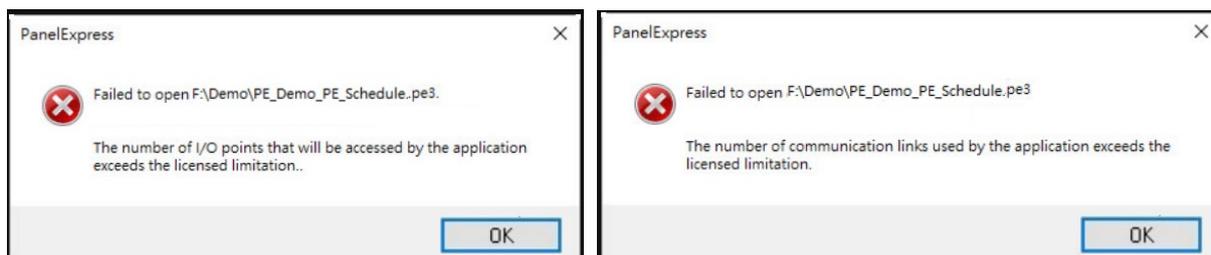


Fig 2.5 Fail to open an application





-Parameters:

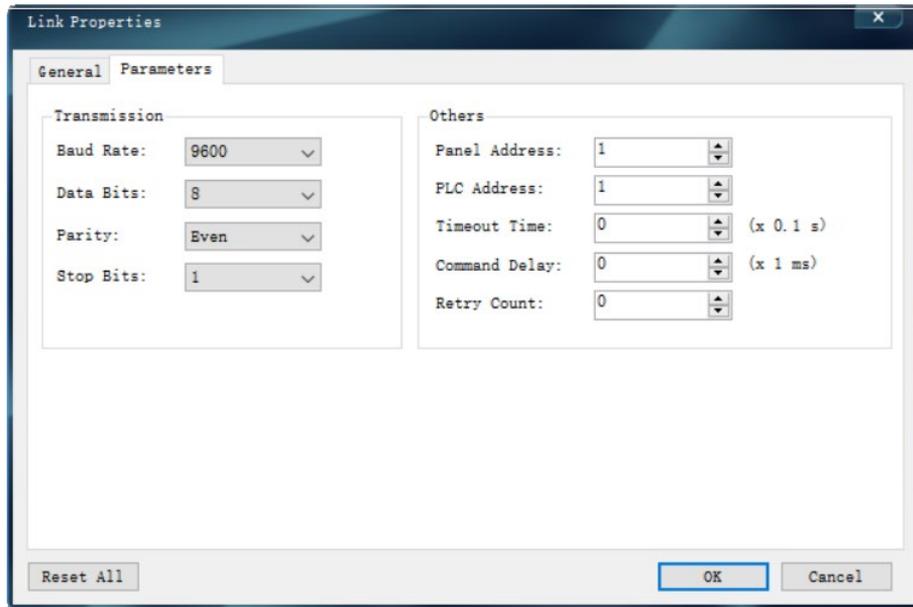


Fig 2.8 Link Properties\_Parameters

You can update the communication port and its parameters, however, you can not update any parameters while running the application. Therefore, please close the application to modify any data. Please also notice that the grey area is uneditable.

Select "Default" button to set the communication settings to default settings.

**\*Remark:** When updating the communication port or parameters, PanelExpress will show an "Enter password" dialogue message to check if your user level has the permission to update the parameters. Please enter the developer password and click OK to finish the update.

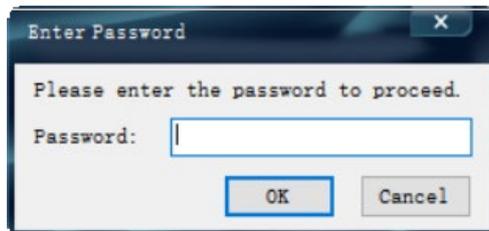


Fig 2.9 Enter Password

**\*Remark:** Please set the develop password in the PM Designer. The default developer password is "000000000".

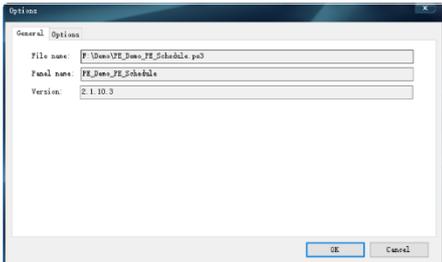
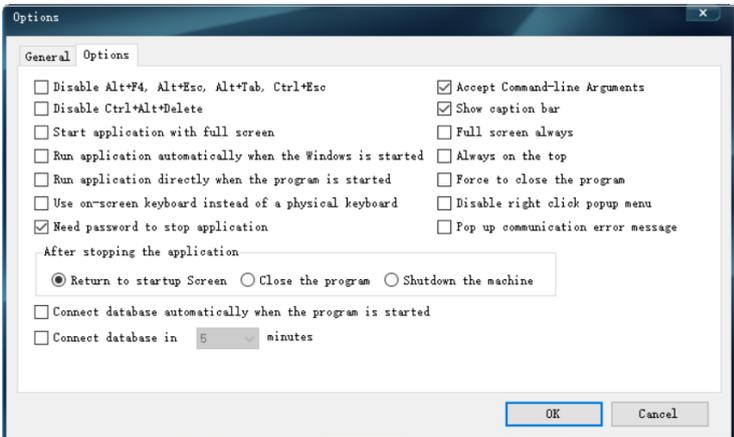
### § 2.3.3 Stop applications

Click  button or select "Stop" from the right-click drop-down menu to stop the application and go to PanelExpress start up screen.

If you select "Need Password to stop application", the PanelExpress will show an "Enter Password" dialogue message. Please enter the developer password and click OK to stop the application.

§ 2.3.4 General settings

Click  Button to open the " Tool" menu. Please see the table below for detail settings.

Menu	Functions																	
	<p><b>Basic Settings</b></p>	<p>Display application folders, names, and the PanelExpress software version. The information is non-editable.</p> 																
<p><b>Options</b></p>	<p><b>Options</b></p>	 <table border="1" data-bbox="395 1256 1517 1823"> <thead> <tr> <th data-bbox="395 1256 836 1305">Options</th> <th data-bbox="836 1256 1517 1305">Descriptions</th> </tr> </thead> <tbody> <tr> <td data-bbox="395 1305 836 1355">Show option caption bar</td> <td data-bbox="836 1305 1517 1355">Show the software option bar</td> </tr> <tr> <td data-bbox="395 1355 836 1404">Always on the top</td> <td data-bbox="836 1355 1517 1404">Always display the software on the top of the screen</td> </tr> <tr> <td data-bbox="395 1404 836 1453">Start application with full screen</td> <td data-bbox="836 1404 1517 1453">Show full screen for running the application next time.</td> </tr> <tr> <td data-bbox="395 1453 836 1503">Full screen always</td> <td data-bbox="836 1453 1517 1503">Show full screen always when running the application. You can not switch it back to a window mode in this mode.</td> </tr> <tr> <td data-bbox="395 1503 836 1552">Pop up communication error message</td> <td data-bbox="836 1503 1517 1552">When a communication error occurs, an error message will pop up on the screen.</td> </tr> <tr> <td data-bbox="395 1552 836 1601">Run application automatically when the windows starts</td> <td data-bbox="836 1552 1517 1601">When starting the PC, the PanelExpress runs automatically.</td> </tr> <tr> <td data-bbox="395 1601 836 1650">Need password to stop an application</td> <td data-bbox="836 1601 1517 1650">Entering the developer password to close the application.</td> </tr> </tbody> </table>	Options	Descriptions	Show option caption bar	Show the software option bar	Always on the top	Always display the software on the top of the screen	Start application with full screen	Show full screen for running the application next time.	Full screen always	Show full screen always when running the application. You can not switch it back to a window mode in this mode.	Pop up communication error message	When a communication error occurs, an error message will pop up on the screen.	Run application automatically when the windows starts	When starting the PC, the PanelExpress runs automatically.	Need password to stop an application	Entering the developer password to close the application.
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Pop up communication error message	When a communication error occurs, an error message will pop up on the screen.																	
Run application automatically when the windows starts	When starting the PC, the PanelExpress runs automatically.																	
Need password to stop an application	Entering the developer password to close the application.																	
<p><b>Change background color</b></p>	<p>Set the software background color; sky blue, stone blue, green, lime, and red.</p>																	
<p><b>Language</b></p>	<p>You can set languages; default( same as the PC operating language), English, Simply Chinese, and Traditional Chinese.</p>																	

When the PanelExpress runs at full screen, you can use right-click to see the "options" menu

Menu	Functions
Restore	Switch to window mold ( when it sets fullscreen always, there's no option to switch to window mold)
Link...	Set link options
Setting...	Display the software properties dialogue message
Stop	Stop running the application
Close	Exit the PanelExpress

### § 2.3.5 About PanelExpress

Click the about button  to see the PanelExpress software version.

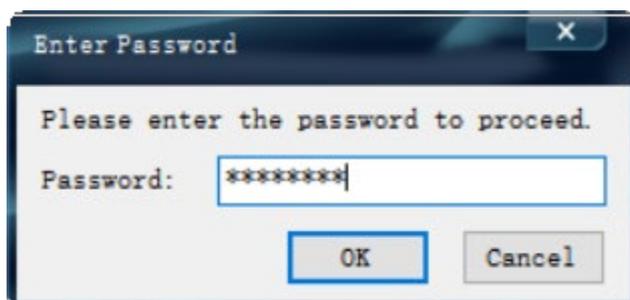


Fig 2.10 About PanelExpress

### § 2.3.6 Close Application

Click the close button  or when running PanelExpress at fullscreen, select "close "from the right-click drop-down menu to close the application.

If you select "Need password to stop application ", you need to enter the developer password in the Enter Password pop-up dialogue message to close the application. ( see Fig 2.9)



## §2.4 PanelExpress Dongle

### §2.4.1 Introduce the PanelExpress Dongle

The PanelExpress license Dongle is an intelligent software encryption tool that comes with a USB drive. It is a hardware-based electronic device that offers copy protection, can unlock software, or decode protected content. When the PanelExpress can not detect the USB dongle or plugin a wrong license dongle, it can not run the application successfully.

Running License dongles protect against piracy, prevent valuable applications from being distributed without authorization, and protect companies' intellectual properties.

o

### §2.4.2 Trial Permission

When using PanelExpress, there's no need to pre-install any drivers. All you have to do is plug in the license dongle onto the PC USB port before running the PanelExpress applications. Then, when running an application without seeing any pop-up error dialogue messages, it means the PanelExpress can detect the USB license dongle correctly, and you can run the PanelExpress without any problems. If it shows an error message "No license is detected ", then you can use PanelExpress as a trial version only. The software will stop running after 60 minutes. To run the PanelExpress for the long term, please purchase a PanelExpress USB license dongle.

### §2.4.3 How to use the PanelExpress license Dongle

Make sure to plug in the license dongle before running PanelExpress. If the license dongle is unplugged while running PanelExpress, it will show an error message "No license is detected "( See Fig 2.11). You can plug in the license dongle, restart the application, or the PanelExpress will stop after running 60 minutes.

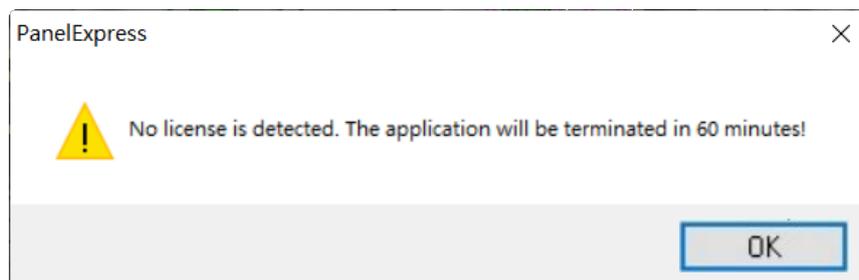


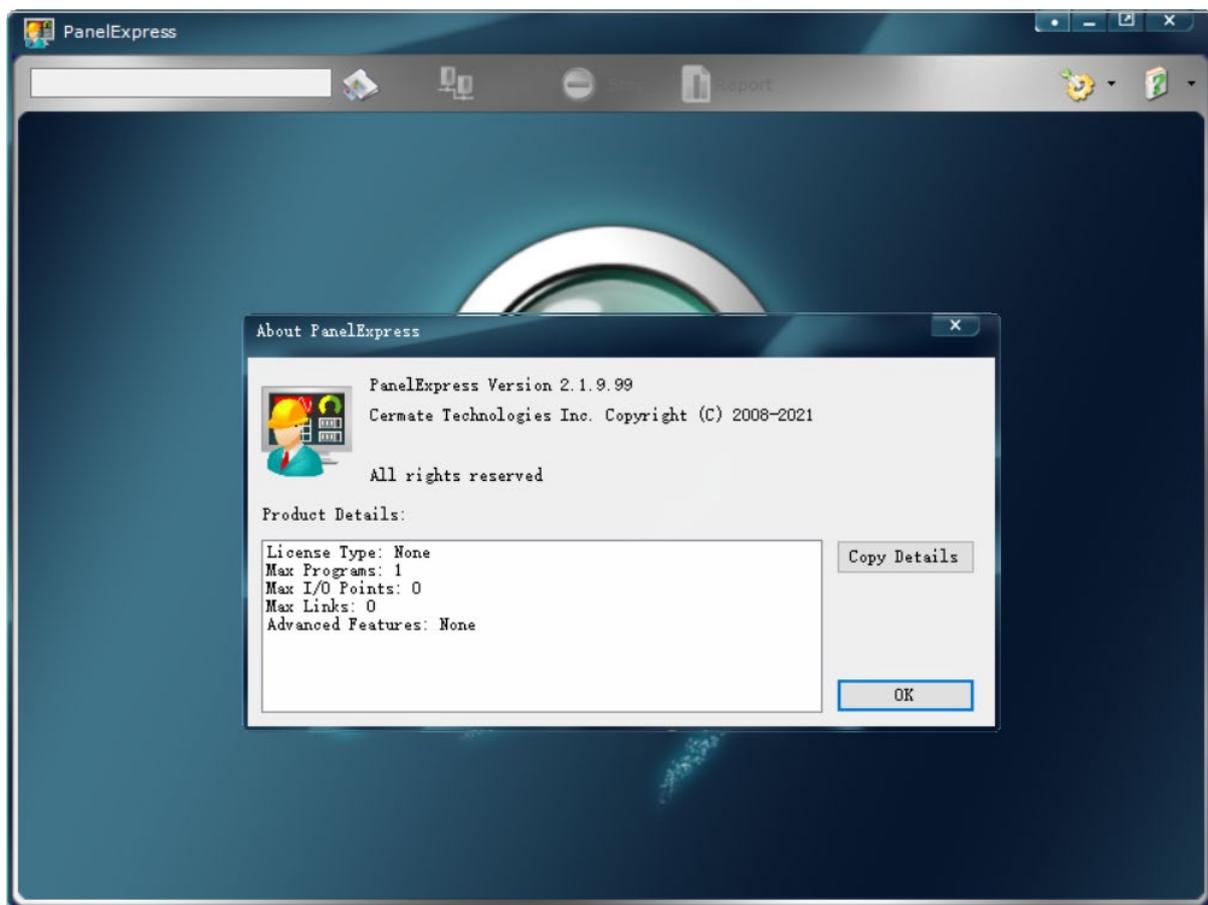
Fig 2.11 The license dongle unplugged

## Chapter 3 PE floating license activate & revoke step introduction

### § 3.1 Requirements:

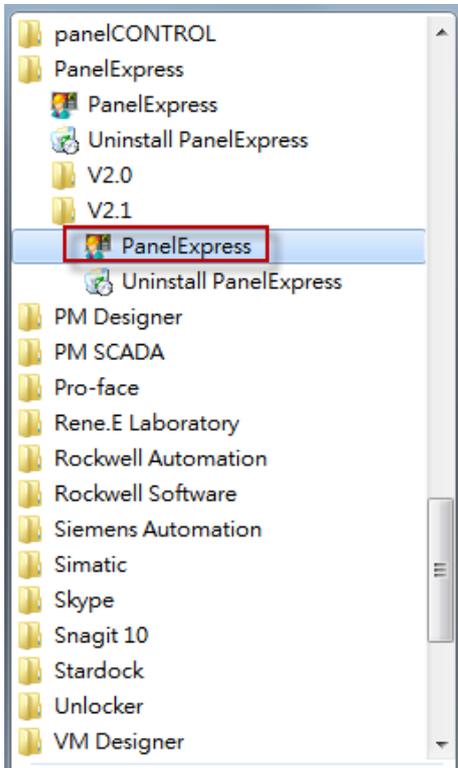
- The PM Designer / PanelExpress version must be v2.1.9.00 or higher.
- Make sure the PC connects to the Internet
- The license has 16 digits and starts with a "\$" sign. See the example here, \$1234567890123456.

\*Note: The single license I/O less than 1000 versions do not support a floating license option.



§ 3.2 Activate/Recover Steps:

1. The PC should connect to the Internet before starting.
2. Run PanelExpress software.

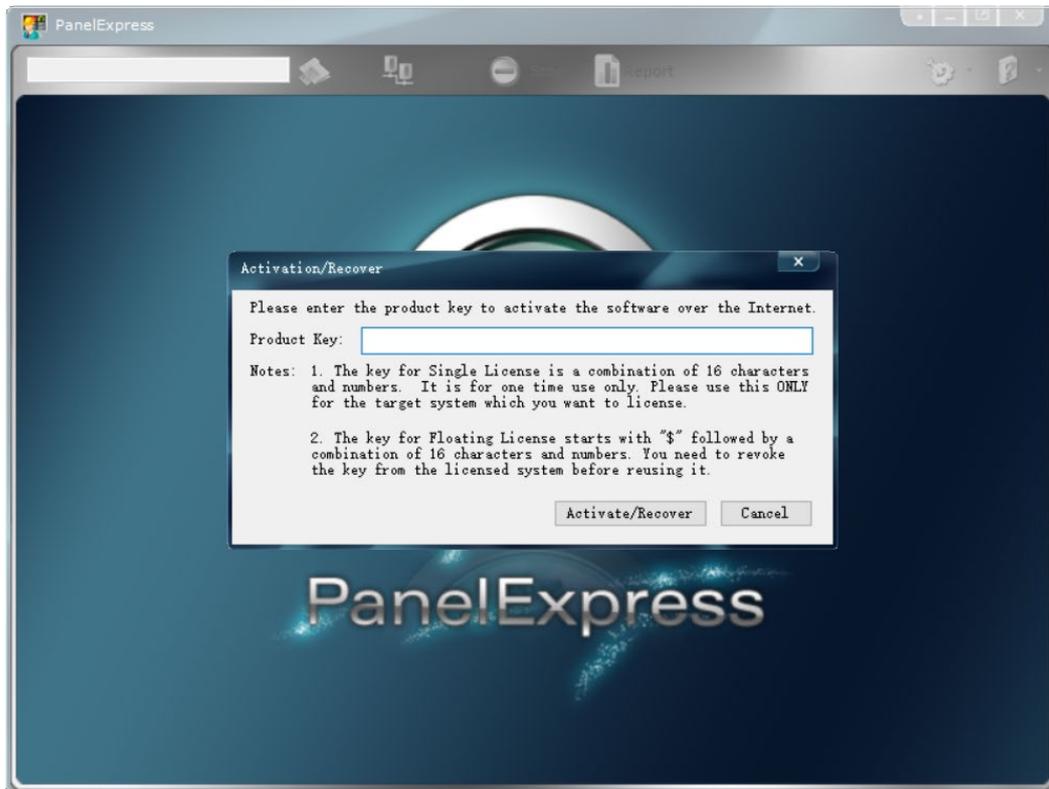


3. Click activate/recovery option.

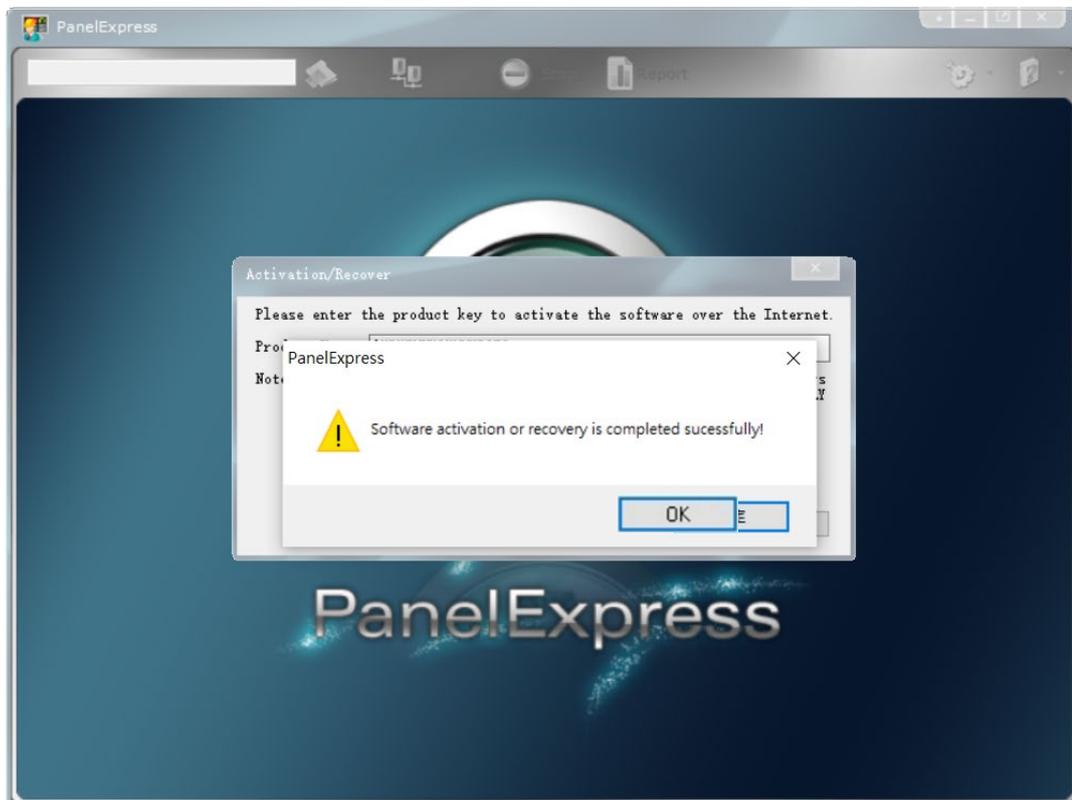




4. Enter the product key, then click the "Activate/Recover" button.

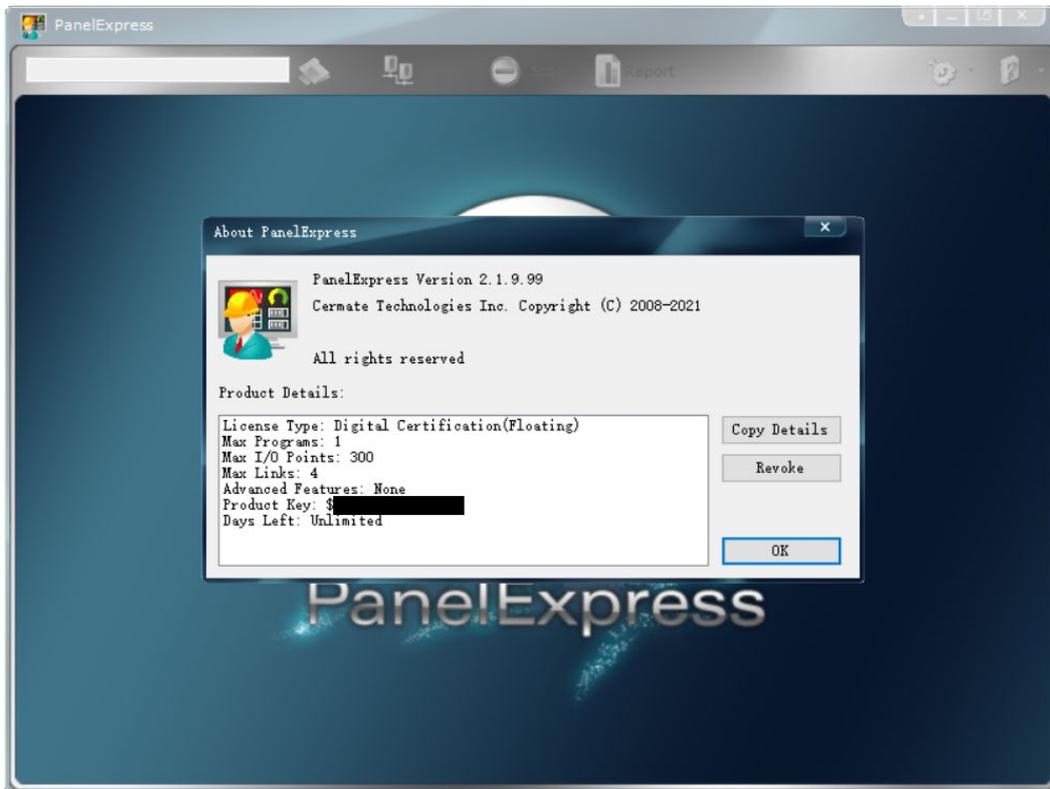


5. You can see a pop-up dialog box showing, "Software activation or recovery is complete successfully!"





6. You can see the product details information when the activation is completed successfully.

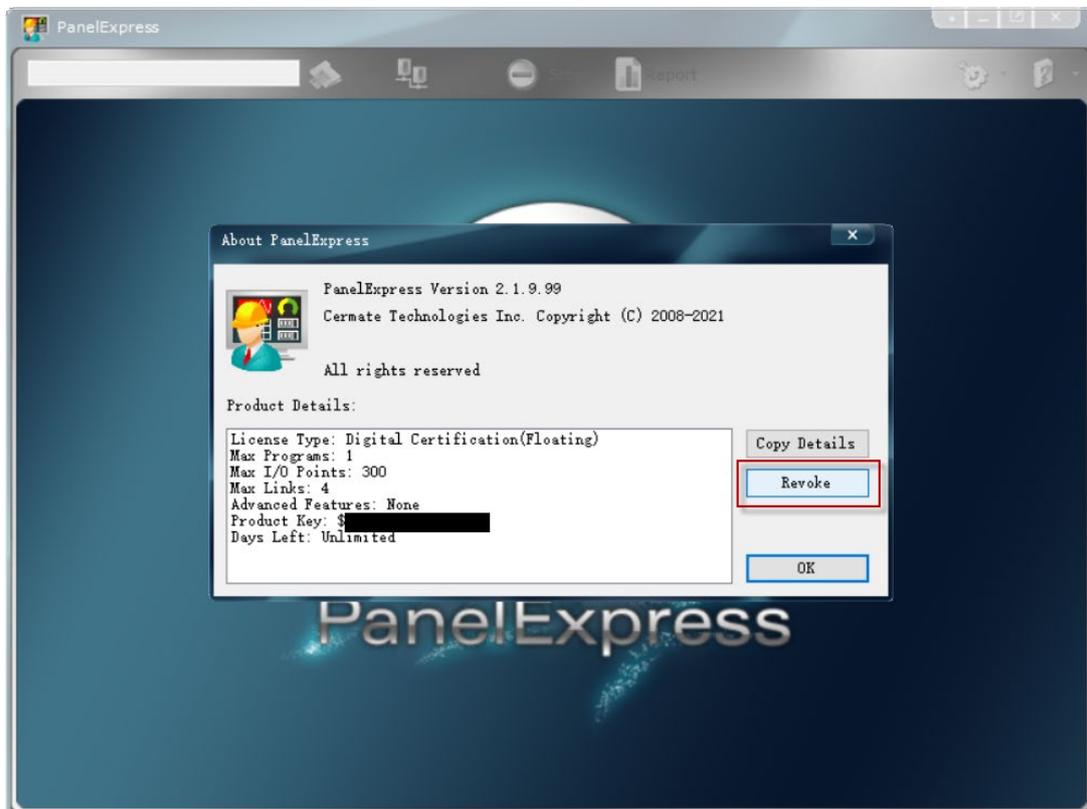


§ 3.3 Revoke Steps:

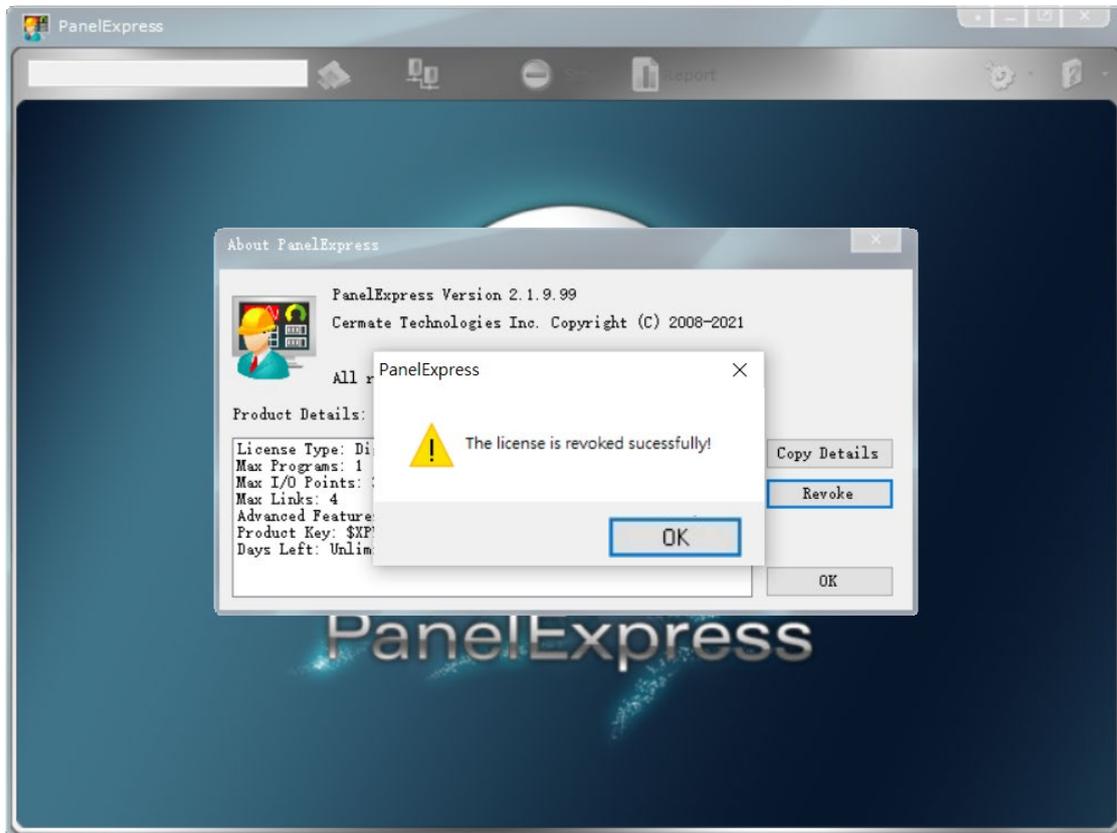
1. The PC should connect to the Internet before starting
2. Please click "about PanelExpress..." at the top-right corner of the software.



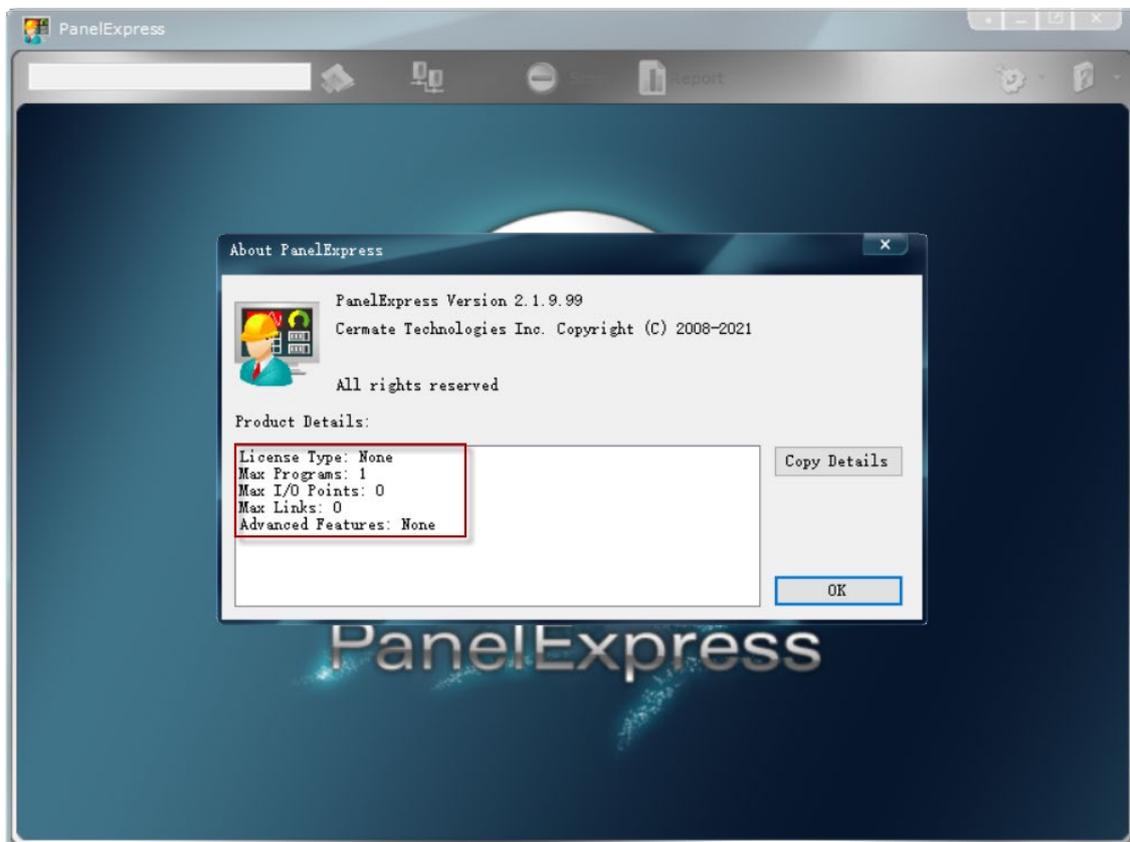
3. Click the "Revoke" button, as the picture below.



4. You can see a pop-up dialog box showing, "The license is revoked successfully!"



5. The PE product details information should be empty in the dialog box.





\*If you have any questions or requests about this document, please contact us.

## **Technical Support Information**

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