Everlink

USER GUIDE

CONTENTS

1. Introduction

Everlink.exe is design for PI series to achieve manage multiple PI series to upgrade, transfer file and sending message. It can communicate to ControlCenter for cloud service.
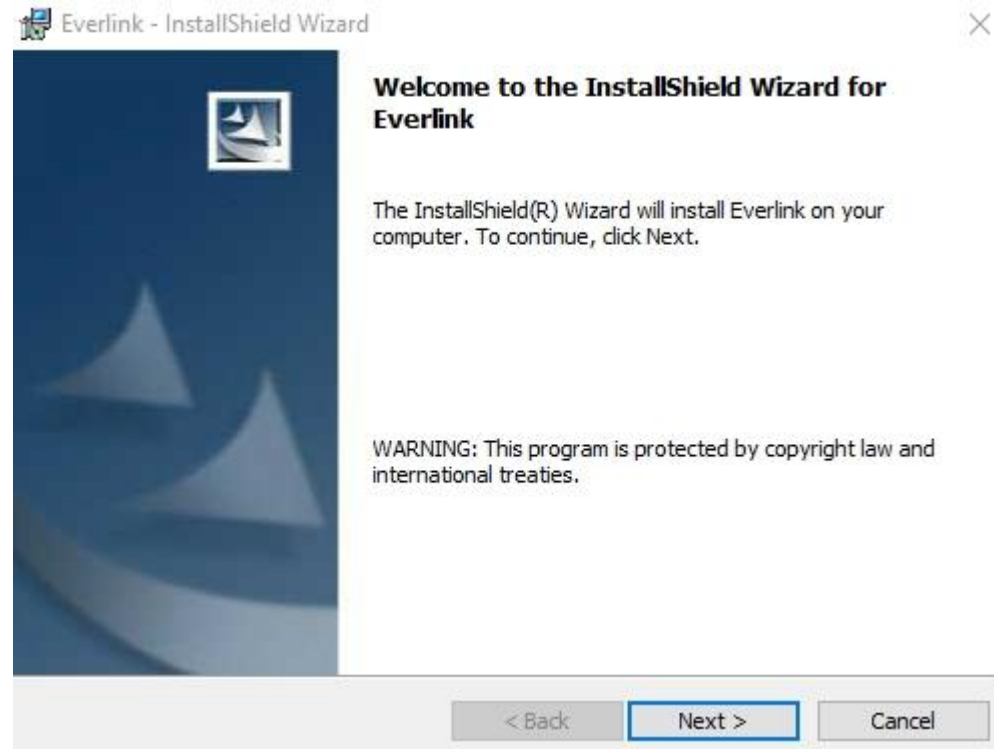
- System requirements

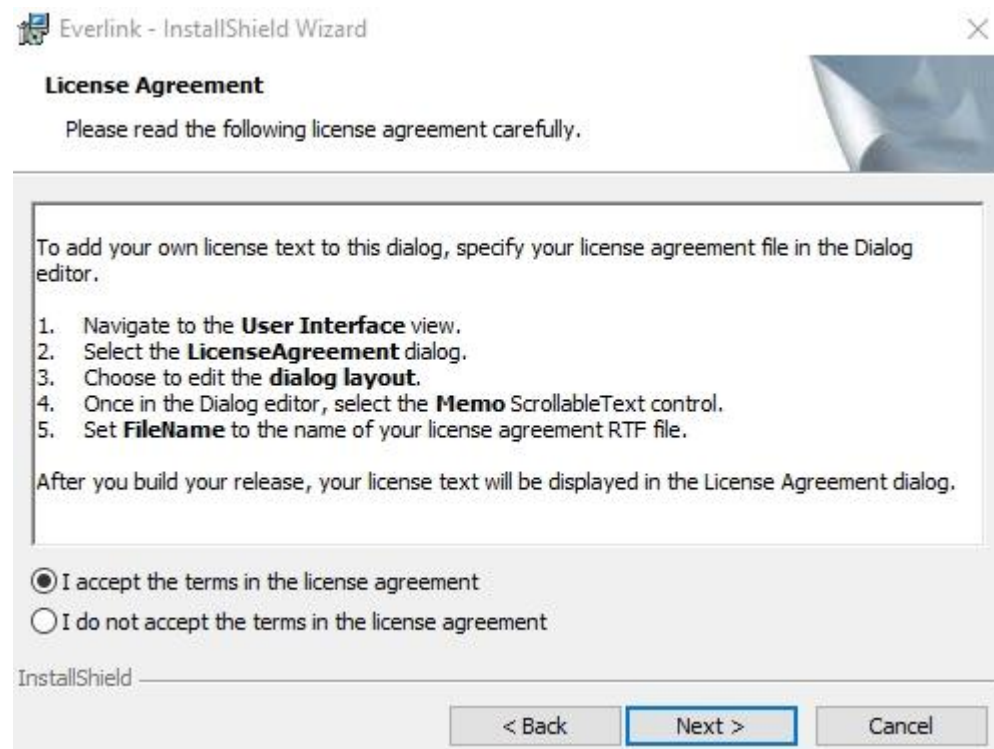To run the program, one of the windows operating system is required.
- Windows XP
- Windows 7
- Windows 8
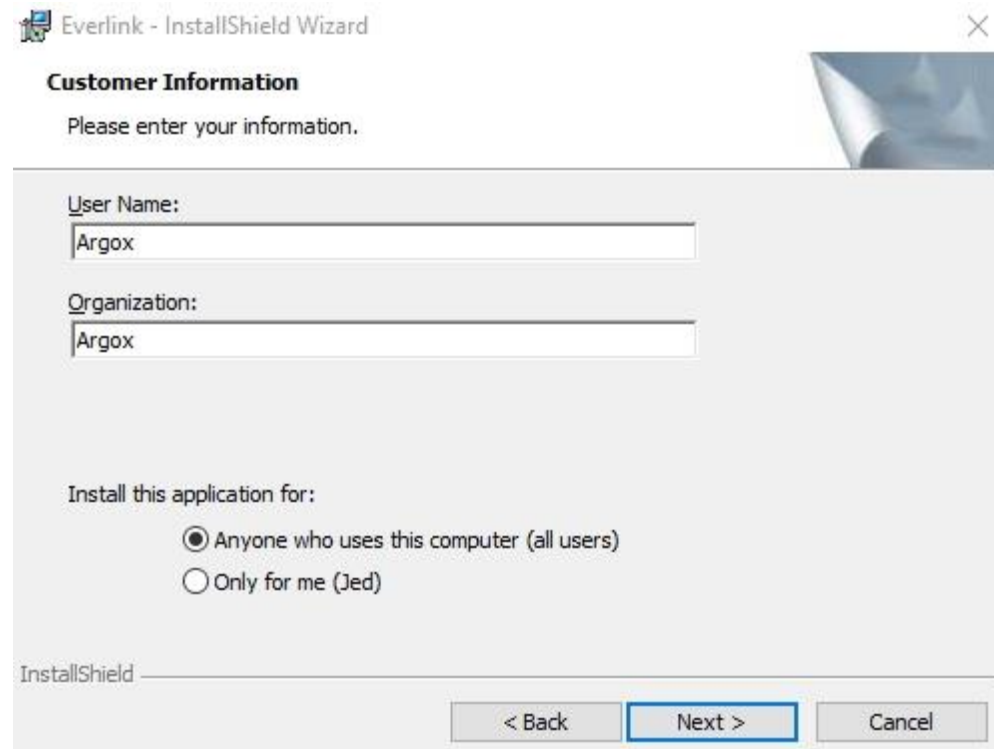- Windows 10

1.1. Install Everlink

1. In the Everlink- InstallShield Wizard, click Next.

2. Select "I accept the terms in the license agreement" and click Next.

3.   Enter User Name and Company Name, then click "Next".
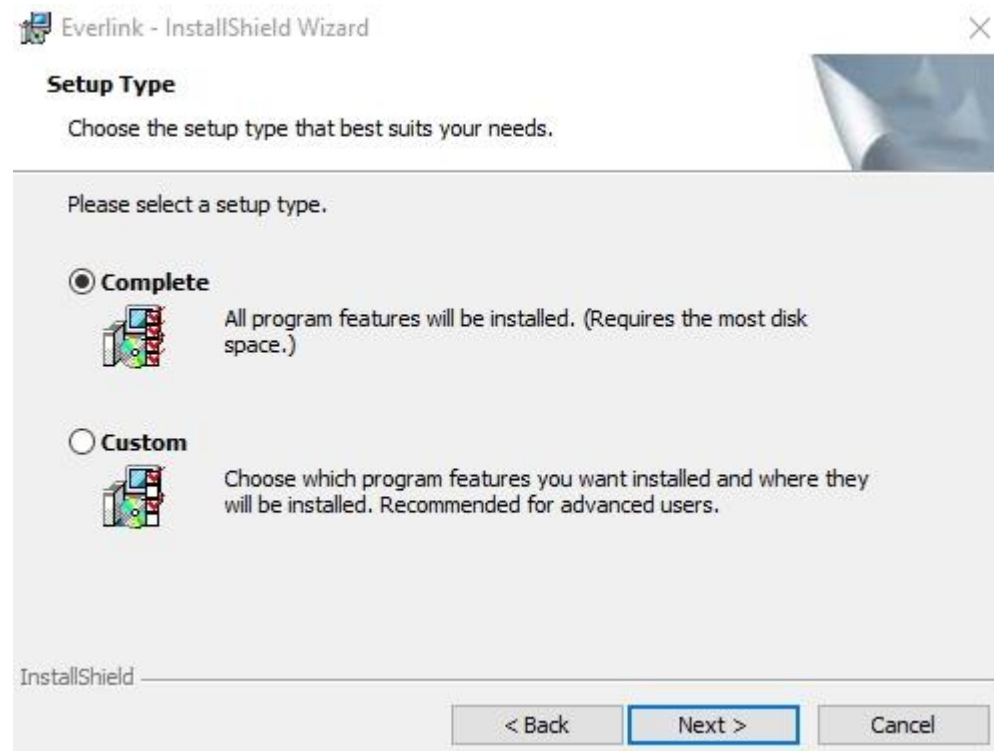
4.   Click Complete option and click next.

5.   Click "Install" will start to install Everlink.
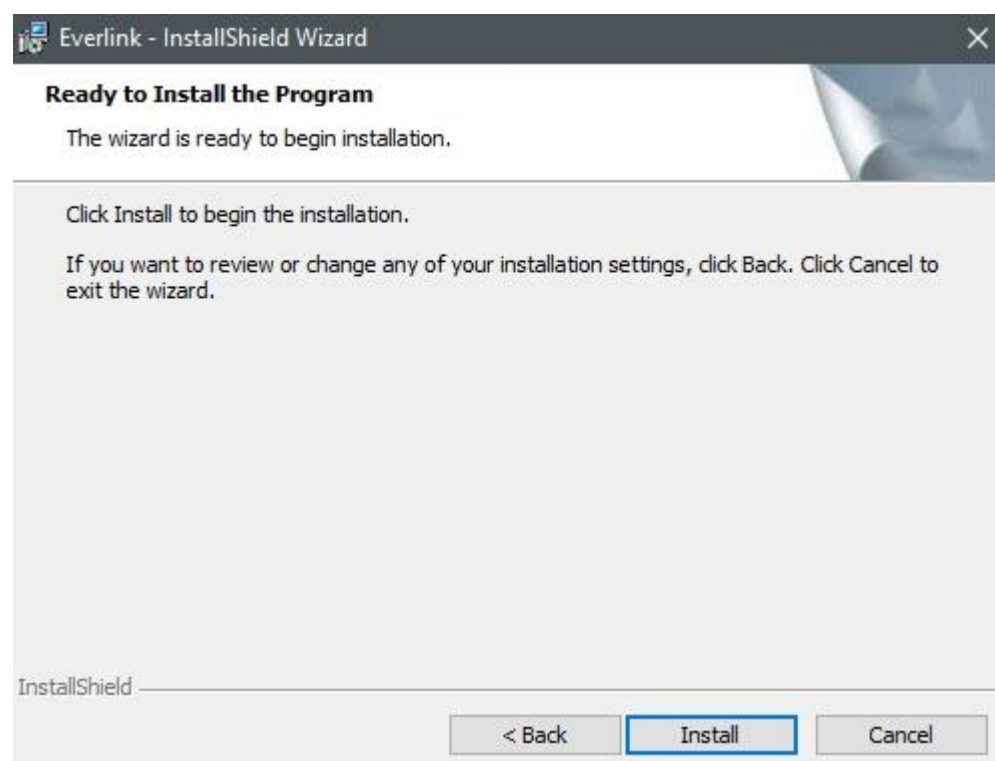
6.   After installation is complete, click "Finish".
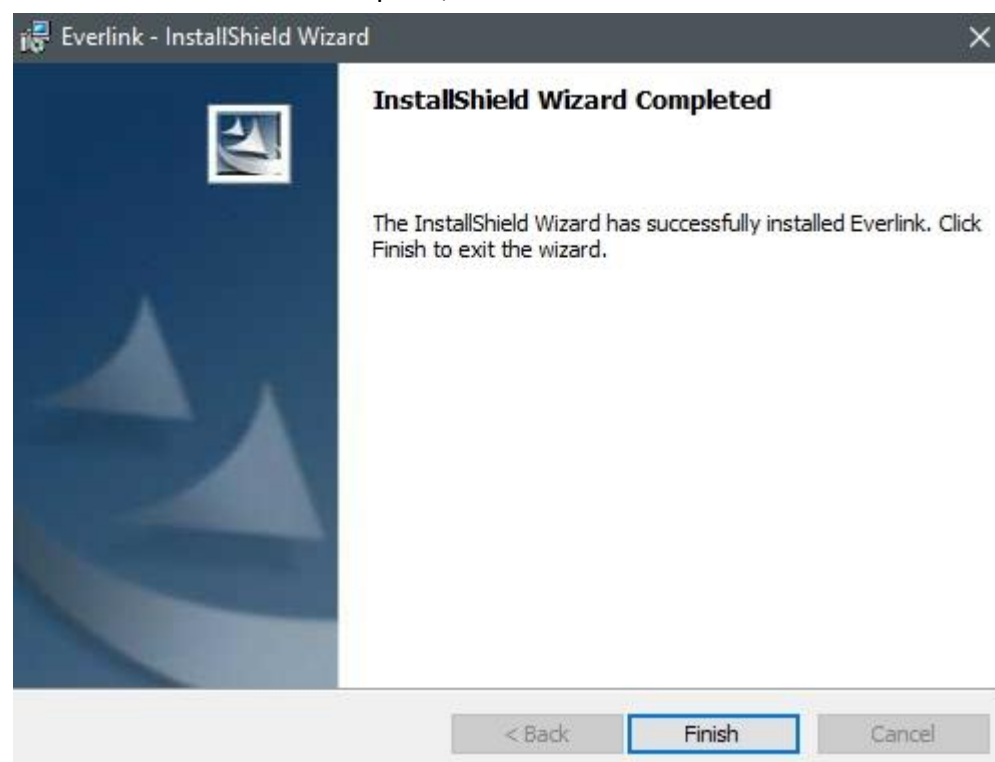
1.2. Work area

Run Everlink in your computer. There are five area in window.
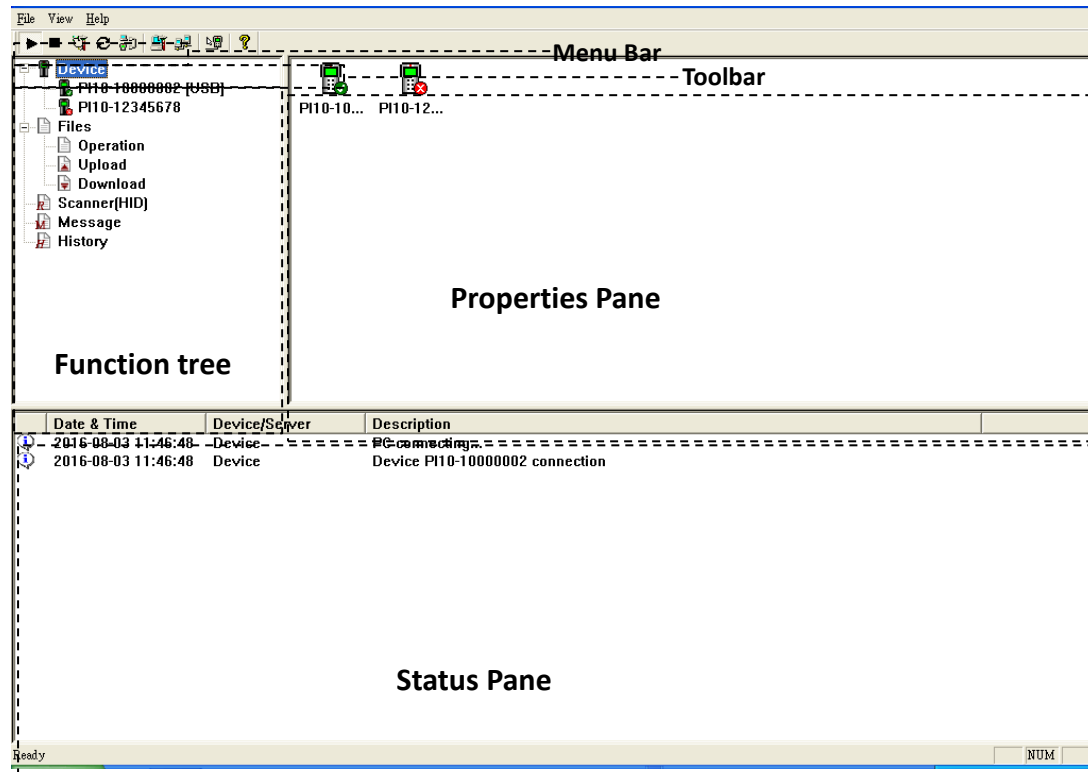
- ● **Menu Bar**   It includes basic program menus.
- ● **Toolbar**   Toolbar offers a shortcut for communication server or device.
- ● **Function tree**   Everlink function tree.
- ● **Properties Pane**   Display Everlink function properties.
- ● **Status Pane**   Display information about Device and server.

Menu Bar

Menu Bar lets you control basic functions in Everlink.

File

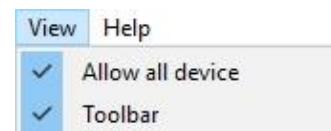**Auto Start:** automatically run Everlink when windows ready.
Exit: Close Everlink.

View

Allow all device: Display all device or not.
Toolbar: Display Toolbar or not.

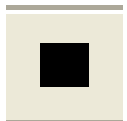
Help

About Everlink: Display Everlink version.

Tool Bar

Toolbar include most of the communication function.

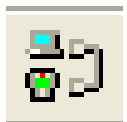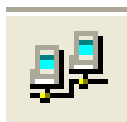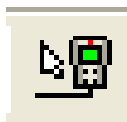|	
▶	Start connections to device.
■	Stop connections to device.
	Setup device communication port
↻	refresh device communication port
	Upload or download file for device
	Setup serve communication port
	Stop/start communication server
	Setup collect data mode for Scanner(HID)
?	About

Setting pane

① **Device:** Display device status.

② **Files:** Offering data transform, upload and download function.

③ **Scanner(HID) :** Offering a direct way to receive data from terminal to Everlink.

④ **Message:** Enable to send or receive message from terminal or ControlCenter.

⑤ **History:** Offering search and save function from status pane.

Status pane

① **Image Level** : Errors ( ), Warnings( ) or Informations ( )

② **Date & Time** : Information prompt time.

③ **Device/Server** : Information from Device to Everlink or Control Center to Everlink.

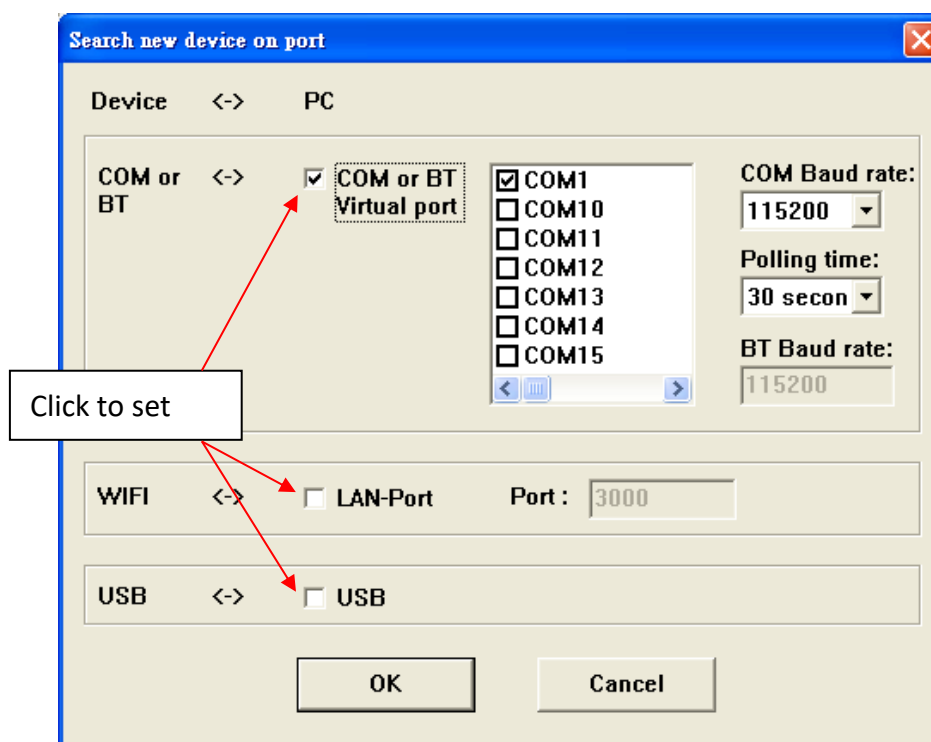④ **Description** : Display detail information

2. Getting start

2.1. Link to PI series

There are four type of communication ways for PI series to PC.

LINK

1. Click "Comm setting" ![icon] in toolbar to open device setting. There are four type of connection you can choose which are COM, BT, WIFI and USB.

- **COM or BT**

Detect way: Use polling to check each terminal in polling time. Ask terminal information to determine terminal respond is connection or not.

Note Bluetooth only support serial port profile(SPP) mode to emulate com port.

COM Baud rate : Set consistent baud rate between device and PC.

Polling time : select polling time in COM and BT setting.

· **WIFI**

Detect way: automatically detect.

Port : Set the consistent port between device and PC. The rage is 1~65535 (default: 3000)

· **USB**

Detect way: automatically detect.

2. Click "Comm start" in toolbar to start connection.
3. Adjust PI series in Remote Link menu and choose which connection you want to use. Move curser to "Connect" then press ENT button.
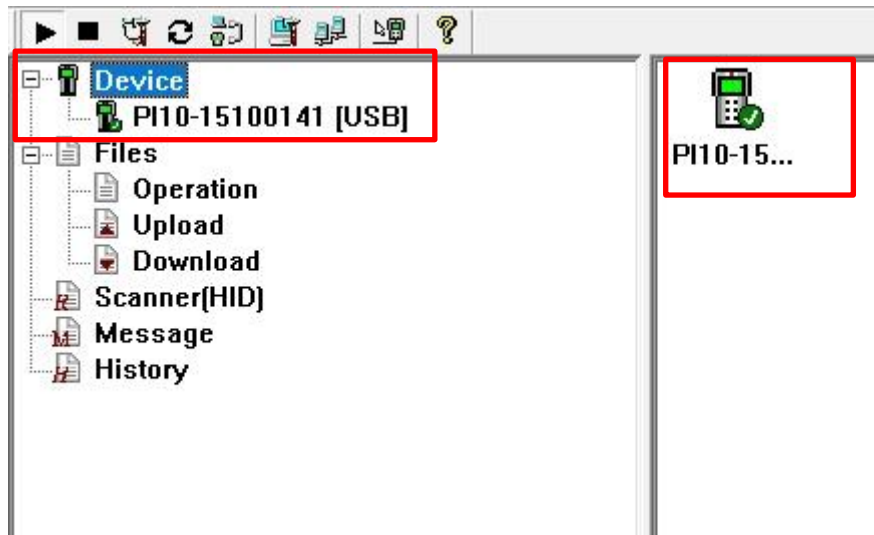

For more information about PI series communication setting, Please refer to PI series user manual CH 3.3.1 in supervisor mode.

> **Note**   Once you leave "Remote link" page in terminal. The link will disconnected
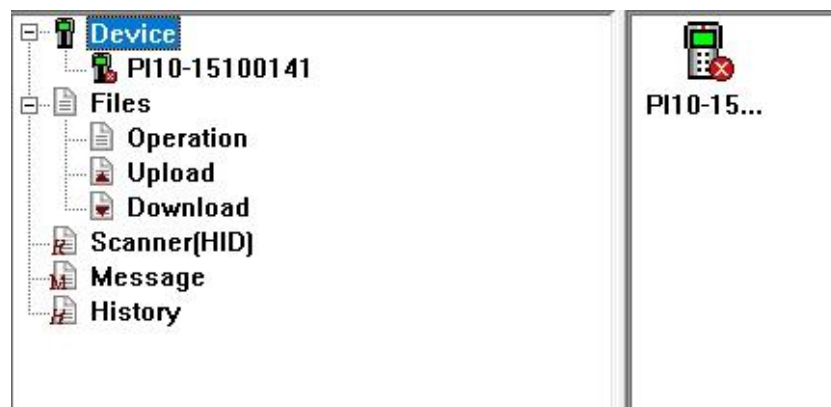
4.   If you are successfully connected, click "Device" in setting pane will display model number and connection way.
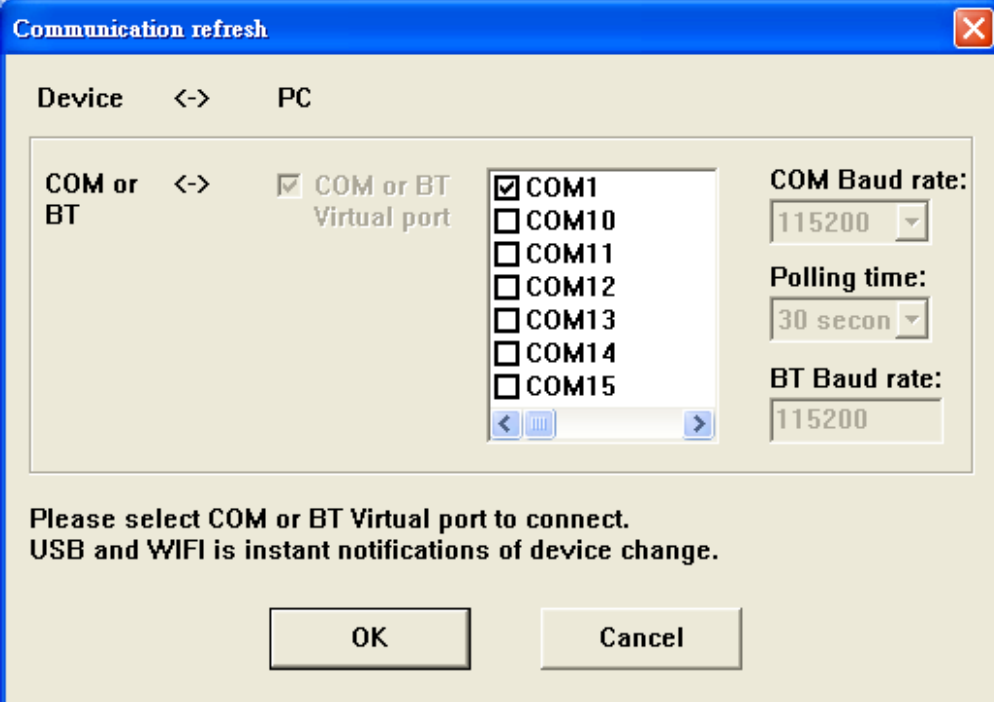

> **Note**   Check terminal and PC setting if terminal is not detected.

Stop and Refresh

Press "Comm stop" ⬛ button in toolbar to disconnect all terminal

Press "Comm refresh" button in toolbar when device connects with COM and BT to Everlink. USB and WIFI connection is automatically refresh.

2.2. Link to Server

Everlink can set a connection to ControlCenter
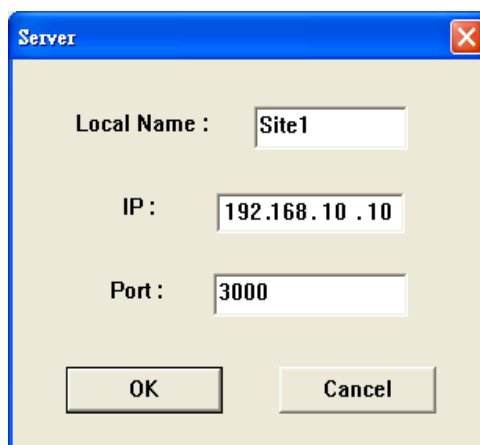

LINK to ControlCenter

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1. Click "Server setting" button to set up.

Local Name : Set PC name will display in Controlcenter.

IP : IP address from ControlCenter.

Port : Port form Controlcenter.

2. Click "Server commun" to link ControlCenter.

|	**Note**
	Make sure ControlCenter press "start" before you press "Server commun".

3. Feature

3.1. Device

Left click "Device", it display all of terminal which used to connect. There are three different icon at right bottom in terminal image.

- "√": terminal connected
- "x" : terminal disconnected
- "!" : update notifications

If "View"→"Allow all device" is canceled, right click "Device" will show Manage function.
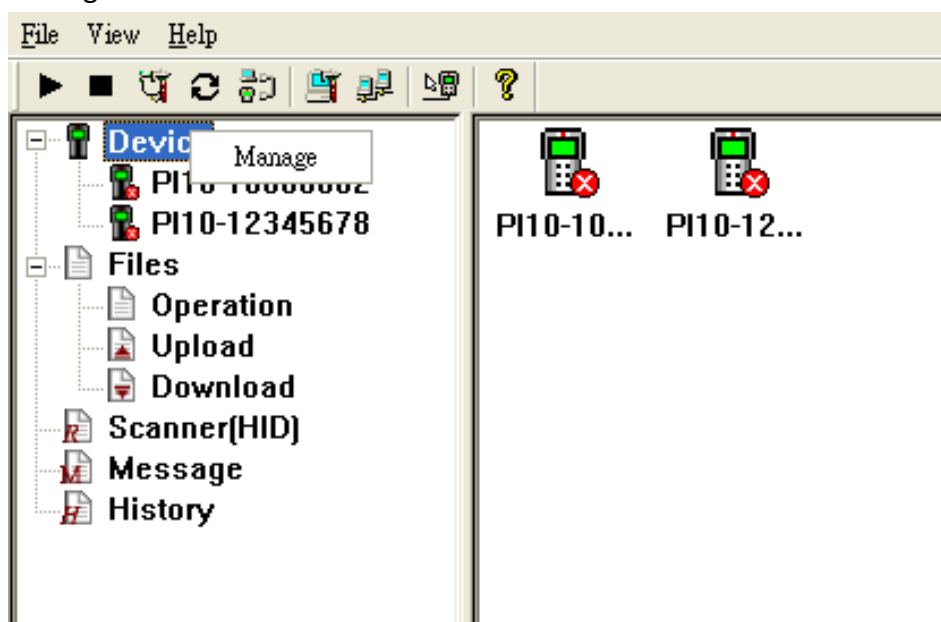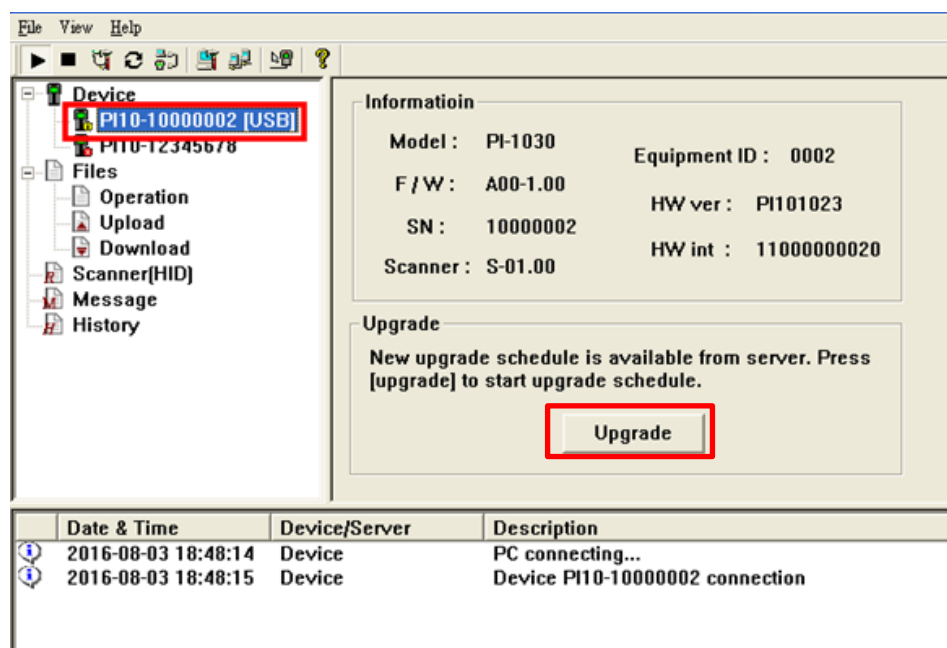
Tick box in front of PI series in Device Manage window to manage device. If you have some terminals which are broken or failed, you can also use this function.

Click each of terminal will show the detail information. Click upgrade button if server deploy upgrade function.
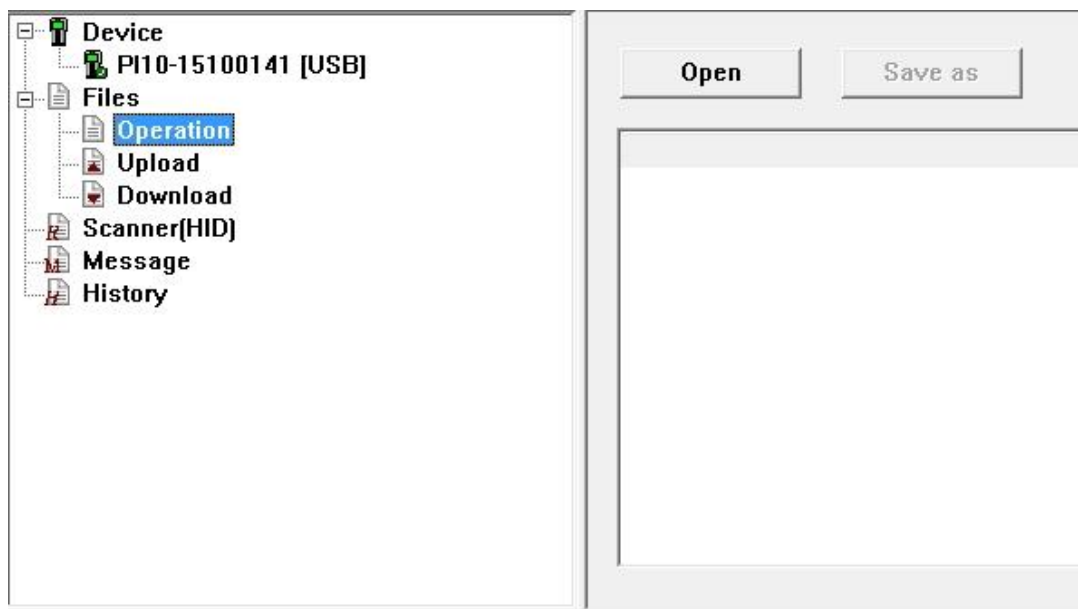
3.2. Files

Files provide Operation, upload and download function. **Operation** can help you transfer your .txt or .dat data to another format. **Upload** can transmit file from terminal to computer. **Download** can transmit file from computer to terminal.

Transfer format

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1.   Click "**Operation**" and Click "**Open**" button

	Note
	Open : File extension allow *.txt and *.dat
	Save as : File extension allow *.txt, *.dat, *.csv, *.xls and *.xml.

2. Click "**Browse**" to choose your data file. In "Format" block, fill "Number of fields" and select "Length" or "Delimiter" depends on data. After you finish setting, Click "**OK**".

Note
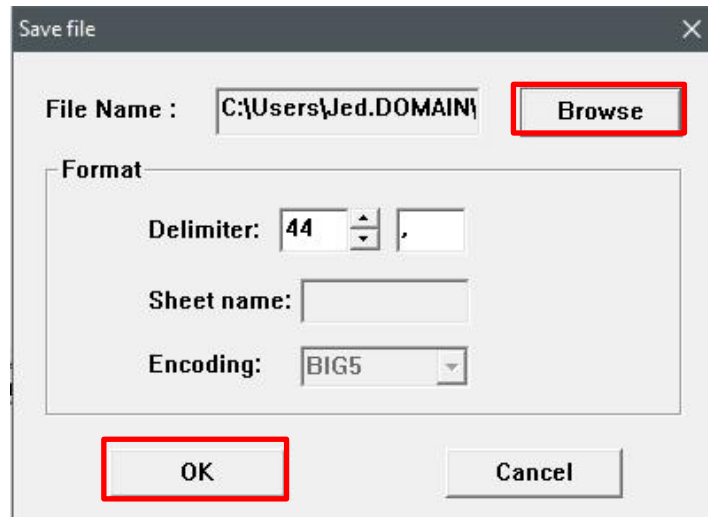
Length : 20 field supported maximum. Beware the "Space" !

3. It will display the content as below. Click "**Save as**" to transfer format.

4.   Click "**Browse**" button to select which file you want to save.
- Choose "Delimiter" when you select .txt or .dat file extension.
- Fill "Sheet name" when you select .xls file extension.
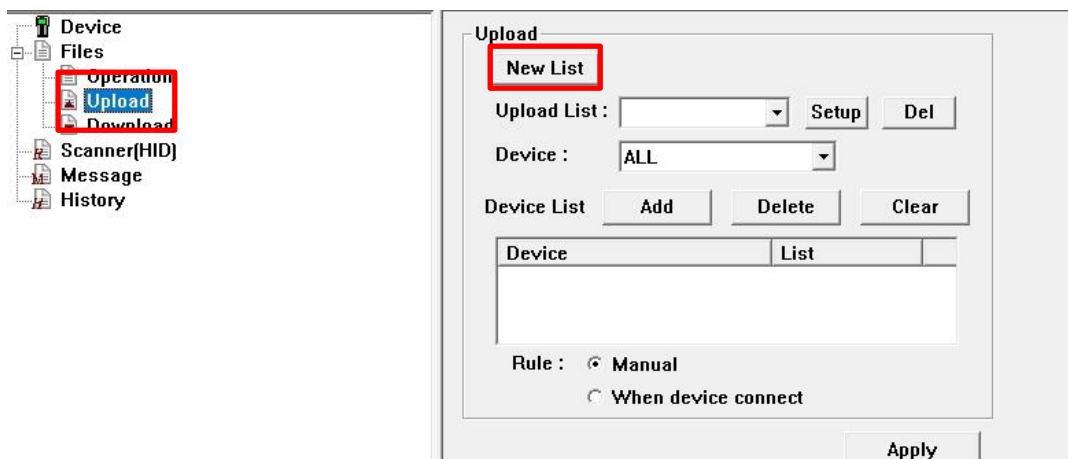- Choose a encoding when you select .xml file extension.

	Note
	"Sheet name" must over 2 English or numeric characters.
	.xml file can not support Chinese.

Upload file to computer

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1.   Click "**Upload**" and click "**New List**" button to create a new list

2.   Select "**Tradition**" or "**Project**" type(Project type is used for Skywalker
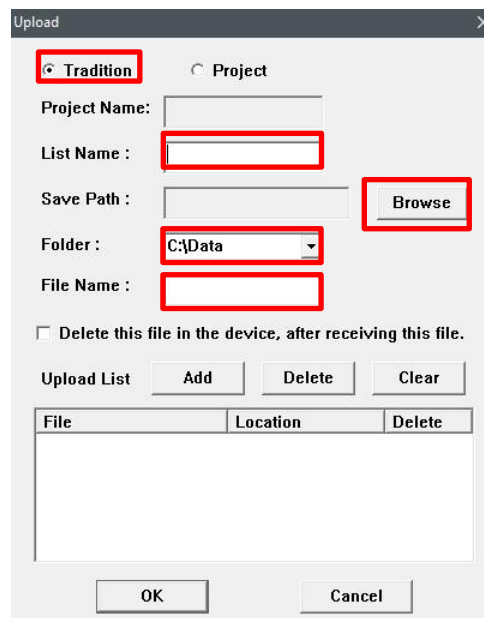   SDK software.) and follow the setting below.

● Tradition type

List Name : Name a Upload list name.

Save Path : Click "Browse" button to
select path in PC.

Folder : Type or choose path in
terminal.

File Name : Name the file.

● Project type　(Skywalker SDK only)

Project Name : Click "**...**" button to select project in terminal.

List Name : Name a Upload list name.

Save Path : Click "**Browse**" button to select path in PC.

3. Click "**Add**" button to add upload file. Click "**OK**" to save upload list.

Note

"**Delete**" button can delete file in Upload List. "**Clear**" button can delete all file in Upload List.

4. After setting upload list, select Device you want to upload. Click "**Add**" button to add device in Device List.

5. Choose "**Manual**" (Click ⏻ button in toolbar to upload) or "**When device connect**" (Automatically upload) and click "**Apply**" button to save upload setting.

Note

"**Delete**" button can delete device in Device List. "**Clear**" button can delete all in Device List.

Download file to PI series

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1. Click "**Download**" and "**New List**" to create a download list.

2. Select "**Tradition**" or "**Project**" type (Project type is used for Skywalker SDK software.). Follow the setting below.
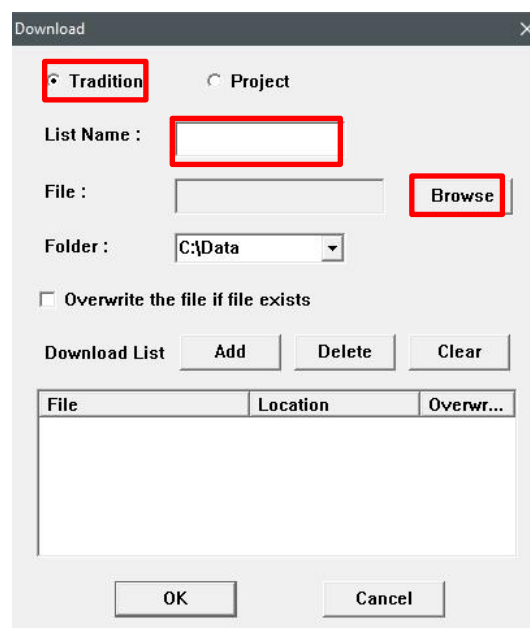
● Tradition type

List Name : Name a download list name.
File : Click "**Browse**" button to select file in PC.
(*.txt,*.dat,*.bas,*.cft or All file)
Folder : Enter or choose path in terminal to save file.

- Project type   (Skywalker SDK only)

List Name : Name a download list.
File : Click "**Browse**" button to select project file from Skywalker in PC. (*.prj)

3.   Click "**Add**" button to add download file. Click "**OK**" to save download list. "**Delete**" button can delete file in Download List. "**Clear**" button can delete all file in Download List.

Note
In tradition mode, you can select overwrite or not.

4. After setting Download List, select Device you want to download. Click "**Add**" button file in Device List.

Note

"**Delete**" button can delete device in Device List. "**Clear**" button can clear all device in Download List.

5. Choose "**Manual**"(Click [icon] button in toolbar to download) or "**When device connect**"(Automatically download) and click "**Apply**" button to save Download setting.

4. Utility

4.1. Scanner(HID)

Scanner(HID) can receive terminal data when terminal select option 3 "Scanner(HID)" mode as below. Push Scan button on PI series to read barcode. Information data will automatically upload to Everlink
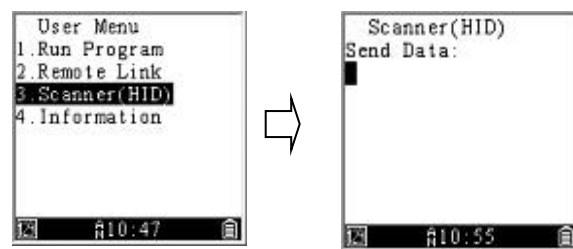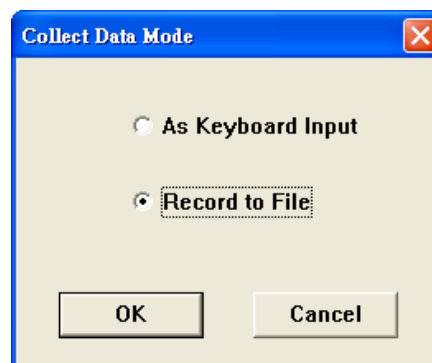
Collected data
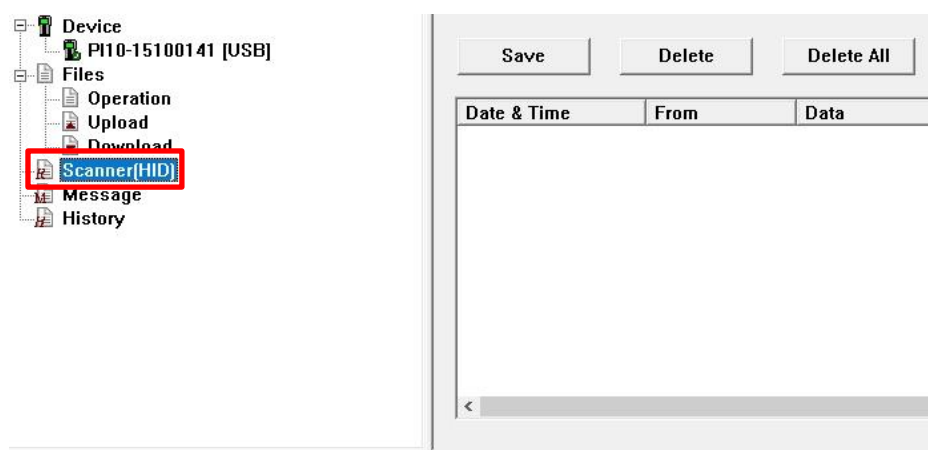
1. Click "**Collect data mode**" button in toolbar.
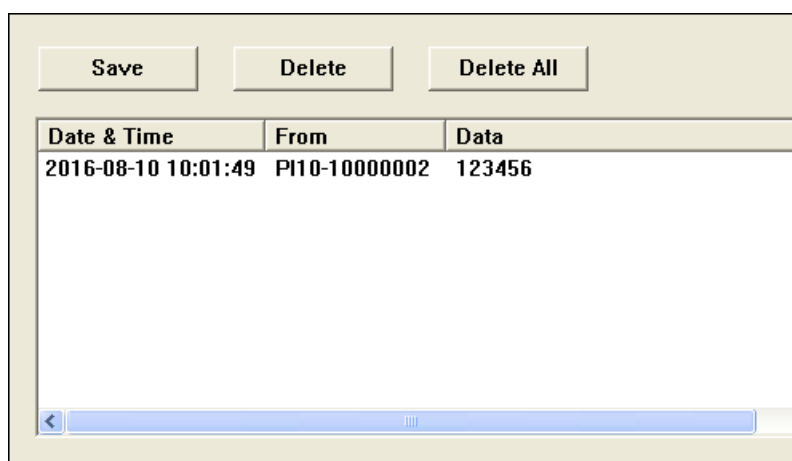
2. Choose "**Record to File**" and click "**OK**"

As Keyboard Input: Data will send to location from cursor.

Record to File: Data will send to Everlink to progress.

3.　Click Scanner(HID) in setting pane.

4.　Click "**Save**" button to save data. "**Delete**" button can delete a single data you select. "**Delete All**" can remove all data.

4.2. Message

Everlink can send or receive messages from PI Series or ControlCenter.

- ● PI Series can press "**Fn**"+ "**^**" key to enter message menu.

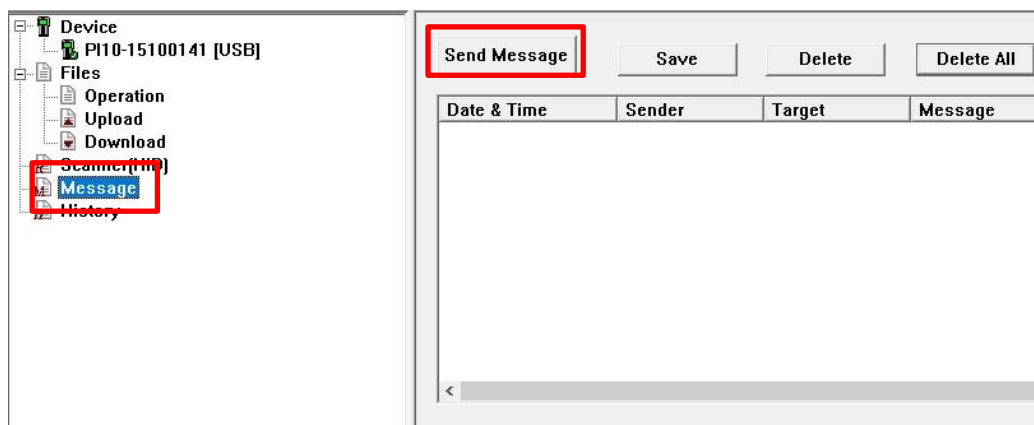- ● ControlCenter has the similar design as Everlink.

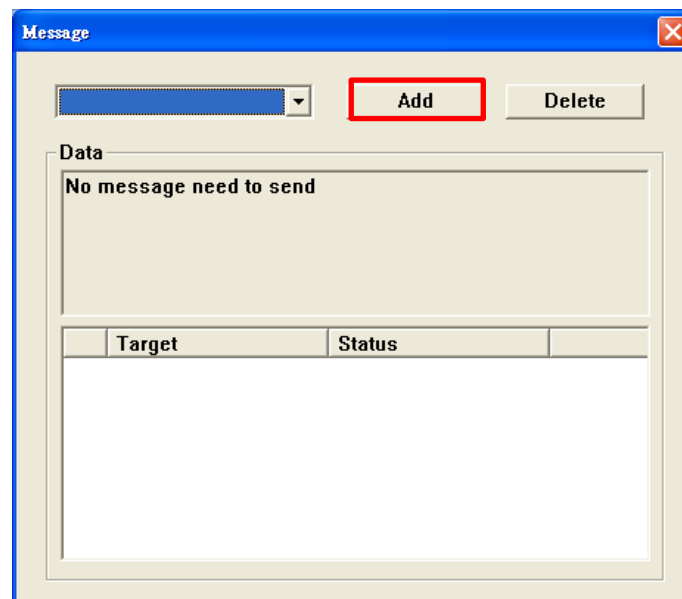For more information, please refer to PI Series manual or ControCenter manual.
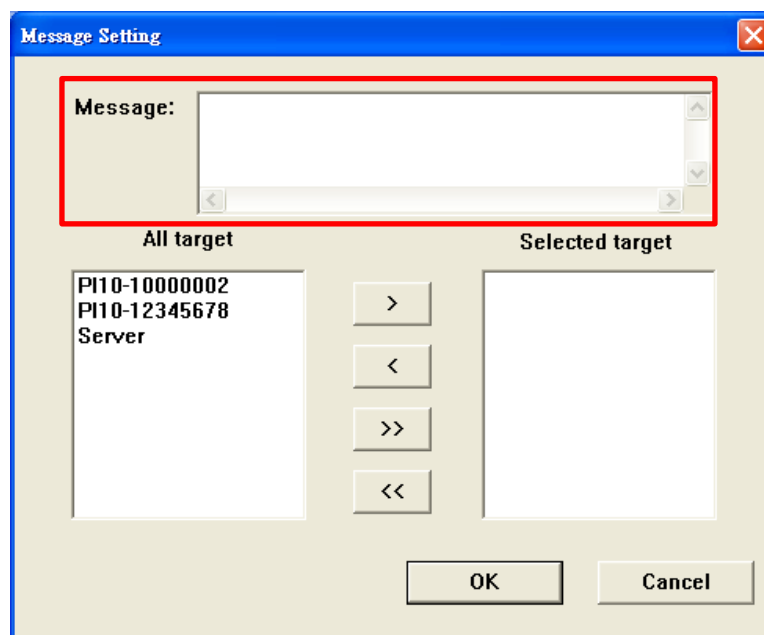
Send message to terminal

1. Click Message in setting pane and click "**Send Message**" button.
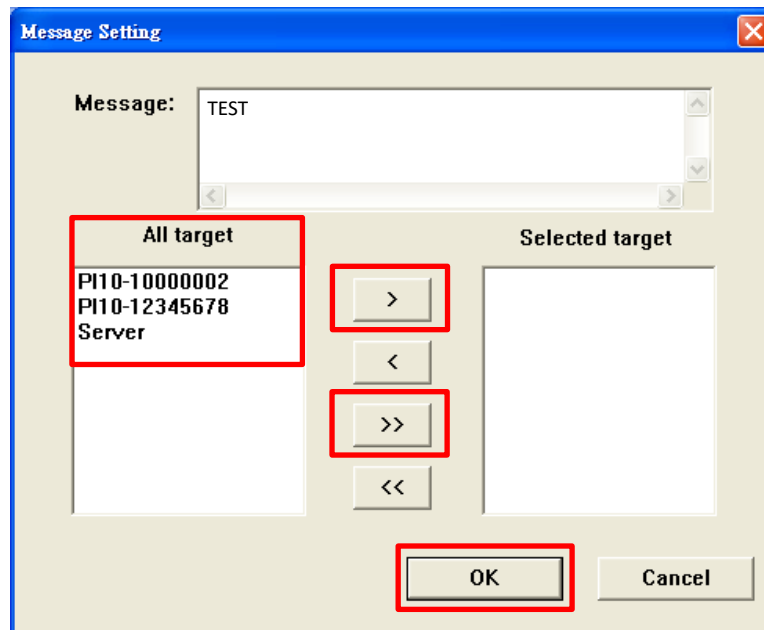
2.   Click "**Add**" button to add a new message.


3.   Enter message in Message box.

Note Everlink will send message every 70 seconds. If Message failed over 3 times. It will stop sending. Each message maximum is 100 bytes

4.   Select target in the left under "All target". Click "**>**" and "**>>**" to move item to the right under "Selected target". Click "**OK**" button to send message.

5.   If target device is online, message will send immediately. Otherwise, unsend message status will show as below.
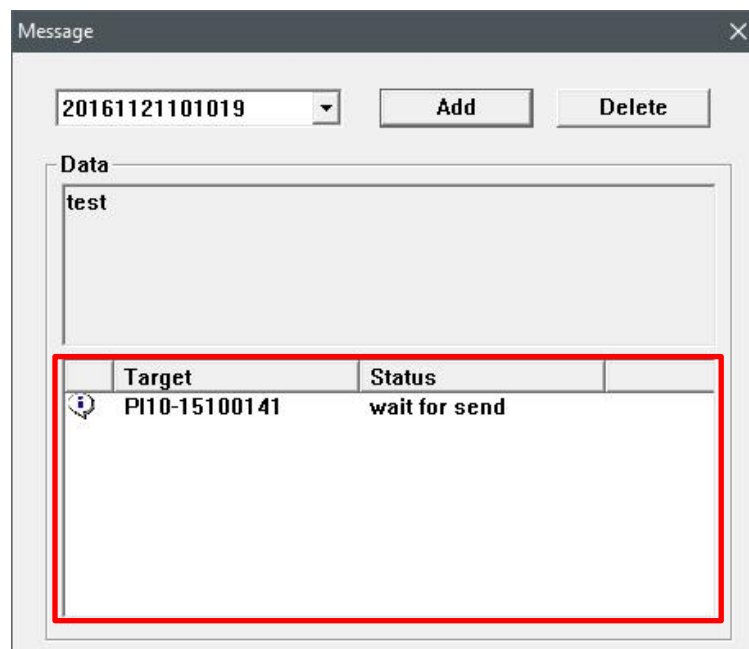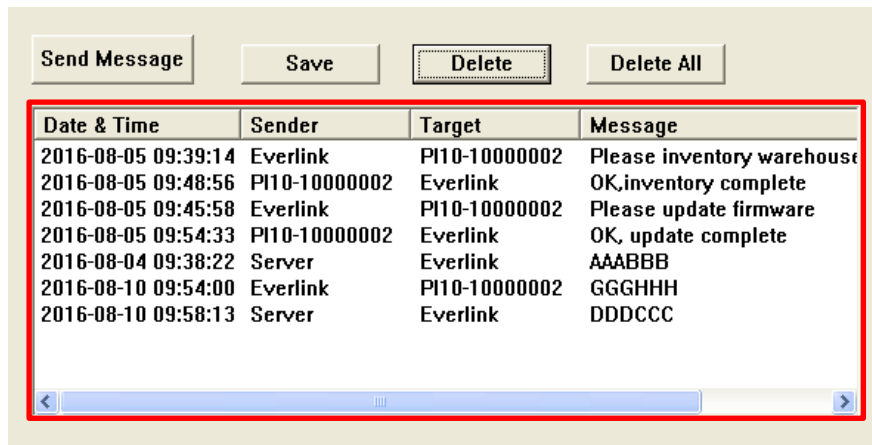
Note: Switch combo box and click "**Delete**" button can cancel unsend message.

Message Record

Message records display as below. "**Save**" button can save all the history you sent. "**Delete**" and "**Delete All**" button can remove the message record.

4.3. History

Searching History Data

1. Click "**History**" in setting pane to manage history data.

2. Select Type, Level and Date, then click "**Search**" button. Status pane will display as your setting. "**Save to file**" button will save data which is display in status pane. "**Clear**" button will clean all information.