WISE-52xx_224x Utility
Quick Start

[Version 1.0.2]



ICP DAS CO., LTD.

泓格科技股份有限公司

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1 System Description

This document is intended to provide guidelines for ICP DAS WISE-52xx_224x Utility software tool. This software tool has to be installed on PC and it enables to perform the following functions on WISE -52xx/WISE-224x series controllers via Ethernet：

(1) Firmware Update
(2) Rule File Update and Backup

Please refer to the following chapter for more detail.

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2 Before Installation

Before installing ICP DAS WISE-52xx_224x Utility, please finishing installation of the WISE-52xx/WISE-224x hardware, and make sure all wiring connections are accurate (e.g., please refer to the user manual of WISE-52xx/WISE-224x). The WISE-52xx_224x Utility requires the .NET framework version 2.0 (or above version) to be installed on the target computer. Please follow the link below to get the framework package directly from Microsoft, if required.

- Download Microsoft .Net Framework Version 2.0：

  Link 1:

  http://www.microsoft.com/en-us/download/details.aspx?id=1639

  Link 2:

  http://www.microsoft.com/en-us/download/details.aspx?id=16614

- Download Microsoft .Net Framework Version 3.5：

  Link 1:

  http://www.microsoft.com/en-us/download/details.aspx?id=21

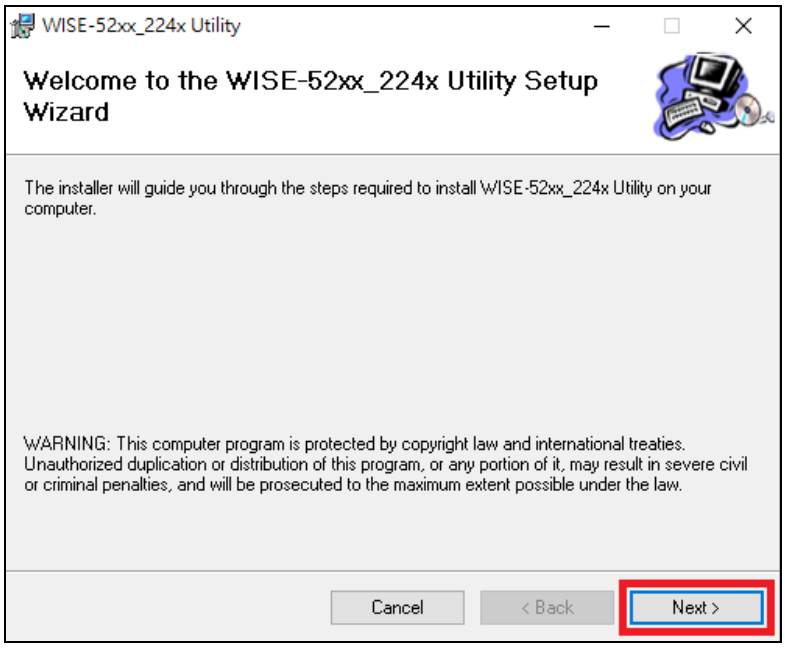
  Link 2:

  http://www.microsoft.com/en-us/download/details.aspx?id=22

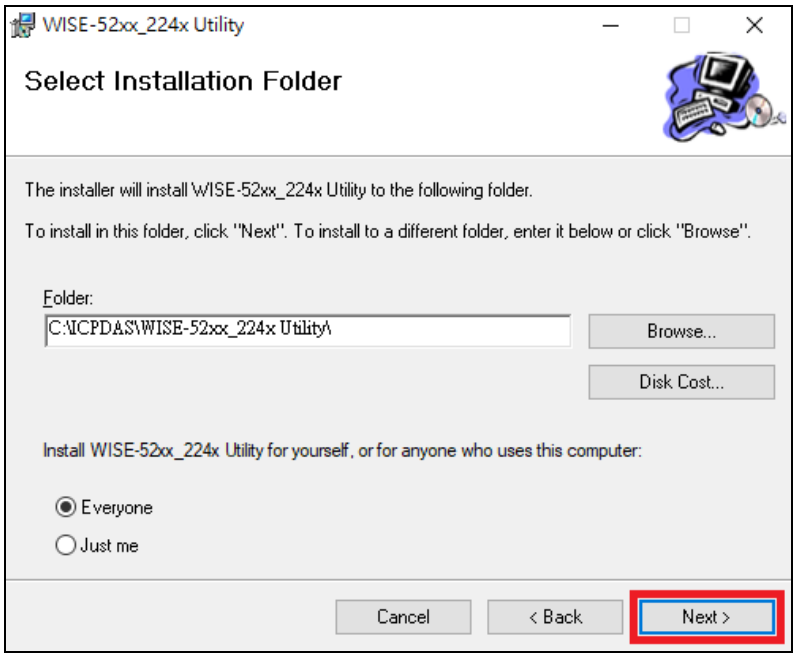
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3 Software Installation

Please contact ICP DAS service or visit ICP DAS WISE Web site to obtain the latest version of the ICP DAS WISE-52xx_224x Utility installer. Double click the ICP DAS WISE-52xx_224x Utility installer to run the installation. Click [Next] to continue.

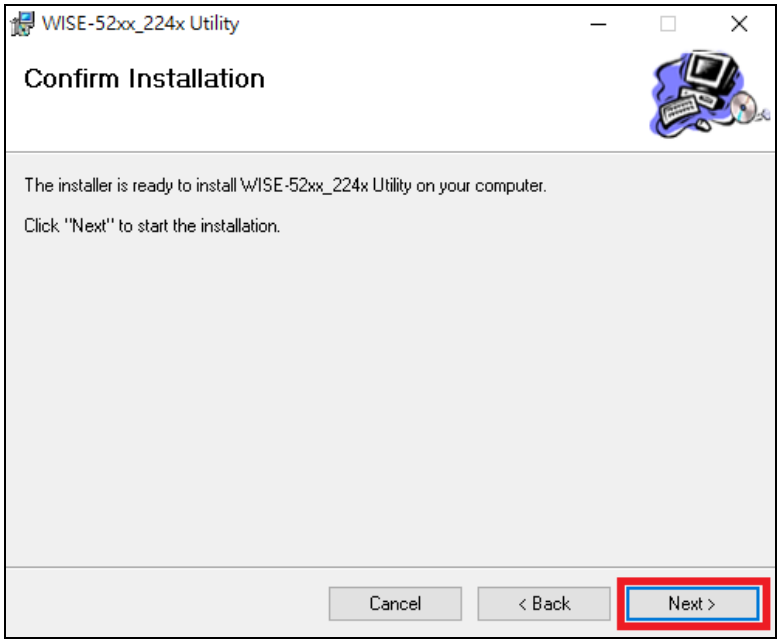


On [Select Installation Folder] page, input path or browse through file dialog box to select the destination folder and select the software user option, click [Next] to continue.

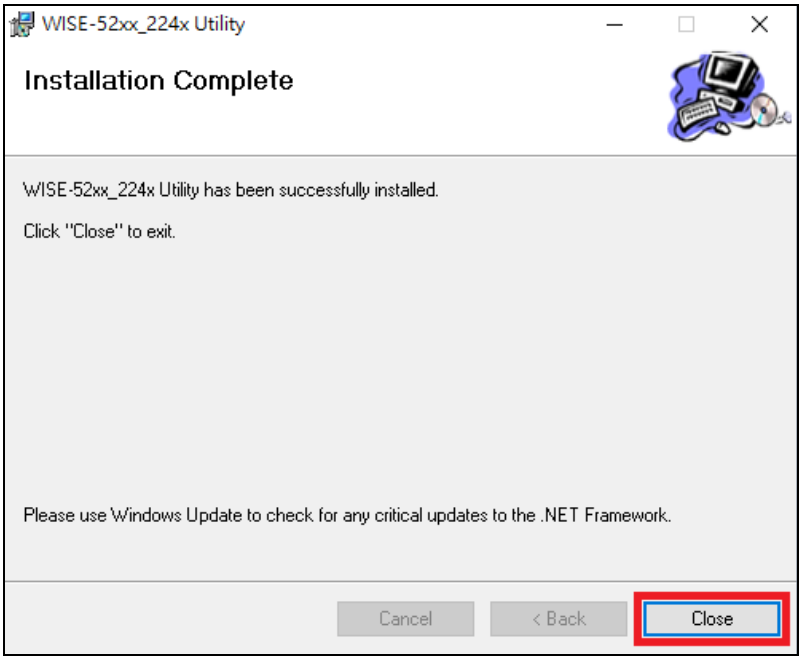


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Make sure the settings are accurate. Click [Next] to start the installation.



When the installation process is completed, click [Close] to finish installing program.



After the installation is completed, you will find the WISE-52xx_224x Utility Shortcut on the desktop and in the program menu: [Start]→ [All Programs]→[ICPDAS] →[WISE-52xx_224x Utility]

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4 User Interface Introduction

The interface of WISE-52xx_224x Utility software tool is shown as follow：

- **Tool Bar**

  Provide quick access to various functions:

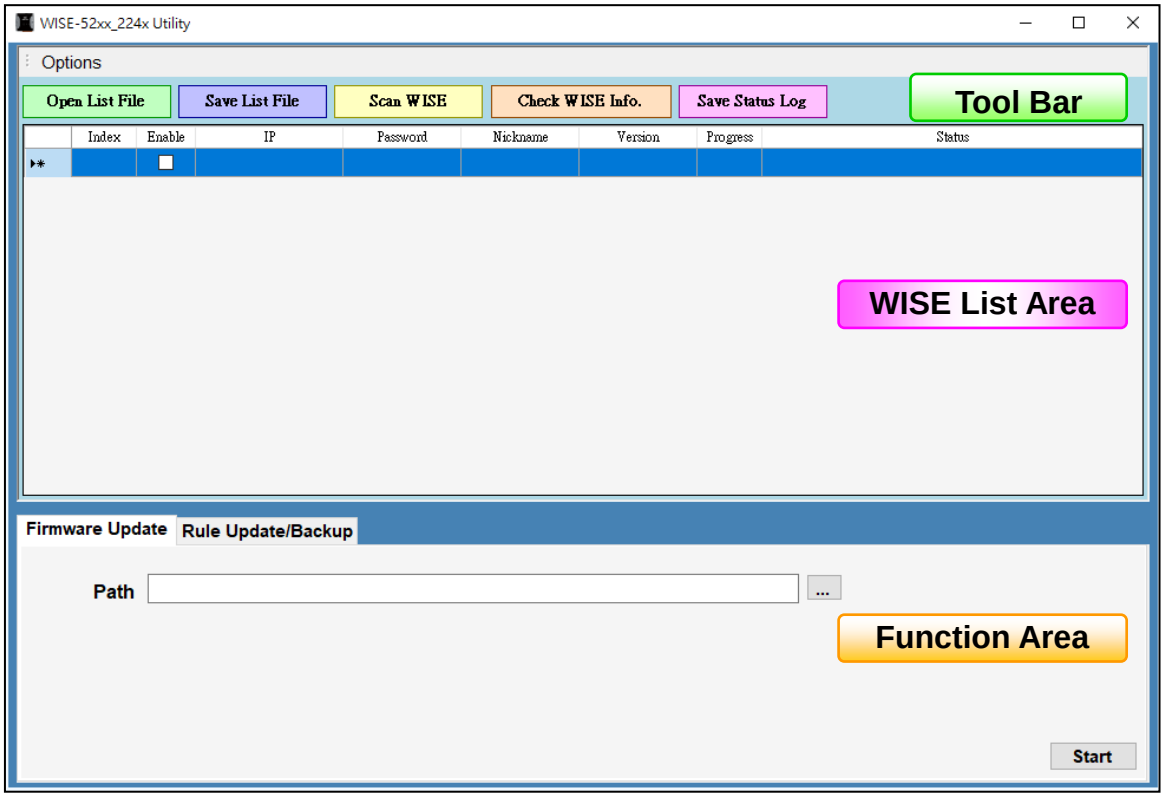
  - Changing Display Language
  - Open WISE List File
  - Save WISE List File
  - Scan WISE
  - Check WISE Info.
  - Save Status Log

- **WISE List Area**

  The user can edit the lists of WISE-52xx/WISE-224x controllers in the WISE List Area.

- **Function Area**

  The user can perform operations such as Firmware Update and Rule Operation in the Function Area.



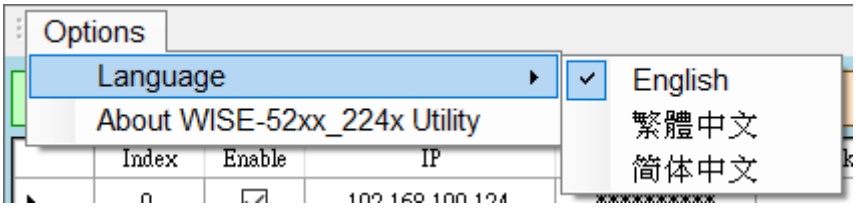
Please refer to the following sections for more detailed information.

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4.1 Tool Bar

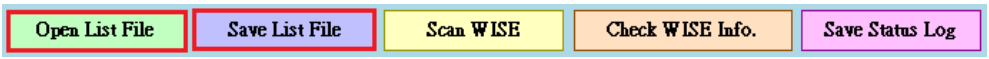
4.1.1 Changing Display Language

The user can click [Options] → [Language] to change display language.



4.1.2 Open List File / Save List File

The user can click [Save List File] to save the edited WISE list data to local computer, and allows to reload these data later by [Open List File] function if required.

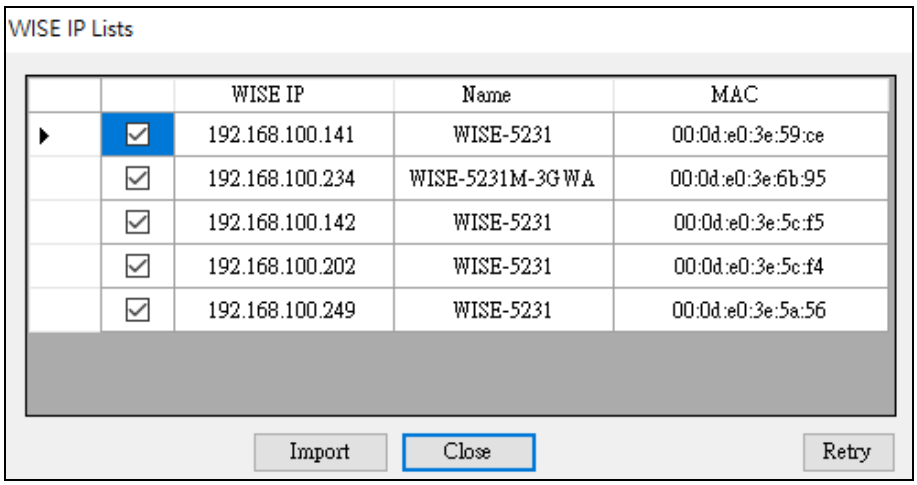


Please note: After performing [Open List File] function, the original edited list will be replaced by the newly loaded list file data. Please save your editing list before opening the list file.

4.1.3 Scan WISE

The user can perform [Scan WISE] operation to scan the existed WISE-52xx/WISE-224x controllers under the same domain. After scanning operation is finished, the IP List of WISE-52xx/WISE-224x controller will show the scanning result. User can click [Import] to import the selected WISE-52xx/WISE-224x controllers to the WISE list.





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4.1.4 Check WISE Info.

The user can use this function to get WISE system information, such as：

(1) Nickname

(2) Firmware Version

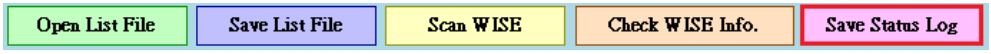
(3) Available space on the MicroSD card



Please note：It is recommended running this function before performing the operations in the [Function Area]. This function allows checking the validity of the WISE password and the available space on the microSD card.

4.1.5 Save Status Log

The user can use this function to save the status log after performing the functions in the [Function Area].



4.2 WISE List Area

4.2.1 Editing WISE List

Before performing the function in the [Function Area], it is required to edit the WISE list first. There are three ways to edit the list：

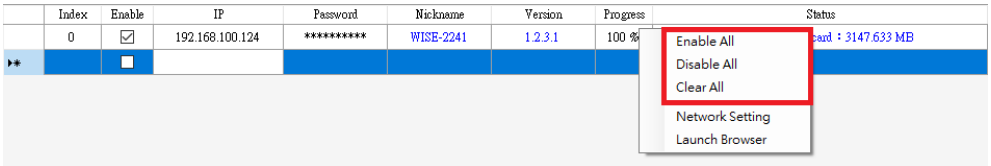
(1) Launch 4.1.3 Scan WISE function and import list data

(2) Launch 4.1.2 Open WISE List File function

(3) Manually input the IP and Password of WISE-52xx/WISE-224x controller

4.2.2 WISE List Operation

Right click on the WISE list table, and the operation dropdown list interface and the description of parameters are as the following：



Enable All：Enable all WISE-52xx/WISE-224x controller on the list.

Disable All：Disable all WISE-52xx/WISE-224x controller on the list.

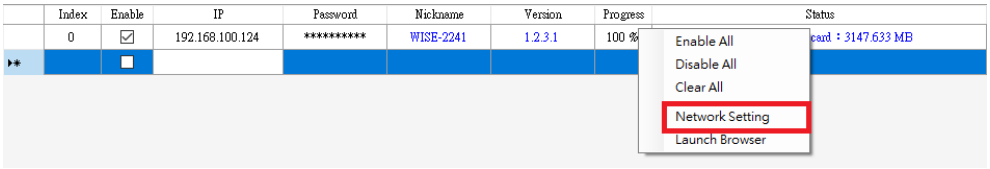
Clear All：Delete all list data.

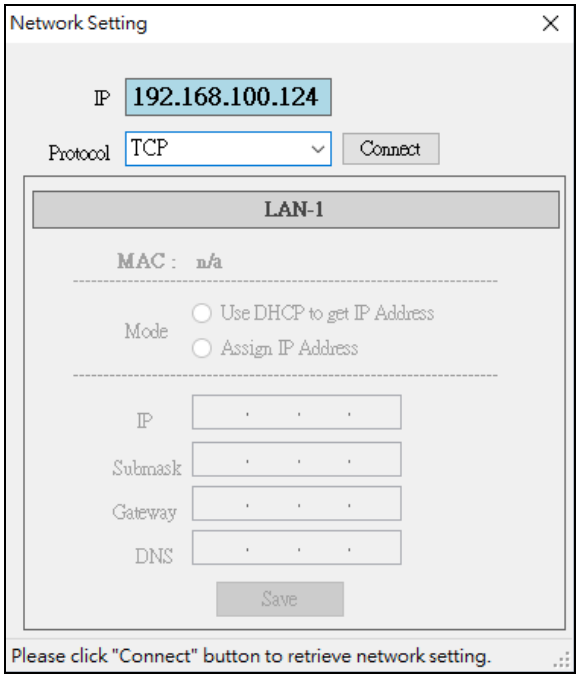
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Please note: Only the enabled WISE-52xx/WISE-224x will run the specified function performed in the [Function Area].

4.2.3 The Network Setting of WISE

The user can click “Network Setting” to setup the detailed network settings of selected WISE-52xx/WISE-224x controller, the setting interface is as following:





Select the “Protocol” from the dropdown list and click “Connect” button to retrieve the detailed network setting of the selected WISE-52xx/WISE-224x controller. After modifying the settings of LAN1, please click “Save” button to update the network settings of the selected WISE-52xx/WISE-224x controller.

Please Note: if the “Protocol” is set as “TCP”, the login password is required in the WISE list area; however if “UDP” is set as the protocol, the login password is not required.

4.2.4 Launch Browser

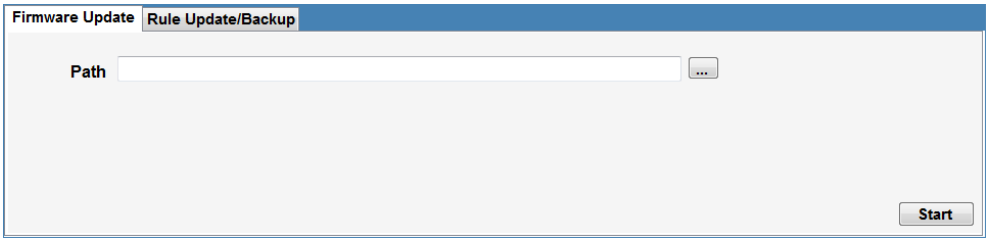
The user can click “Launch Browser” button to launch the default browser, and the URL field will be filled as the IP address of the selected WISE-52xx/WISE-224x controller automatically.

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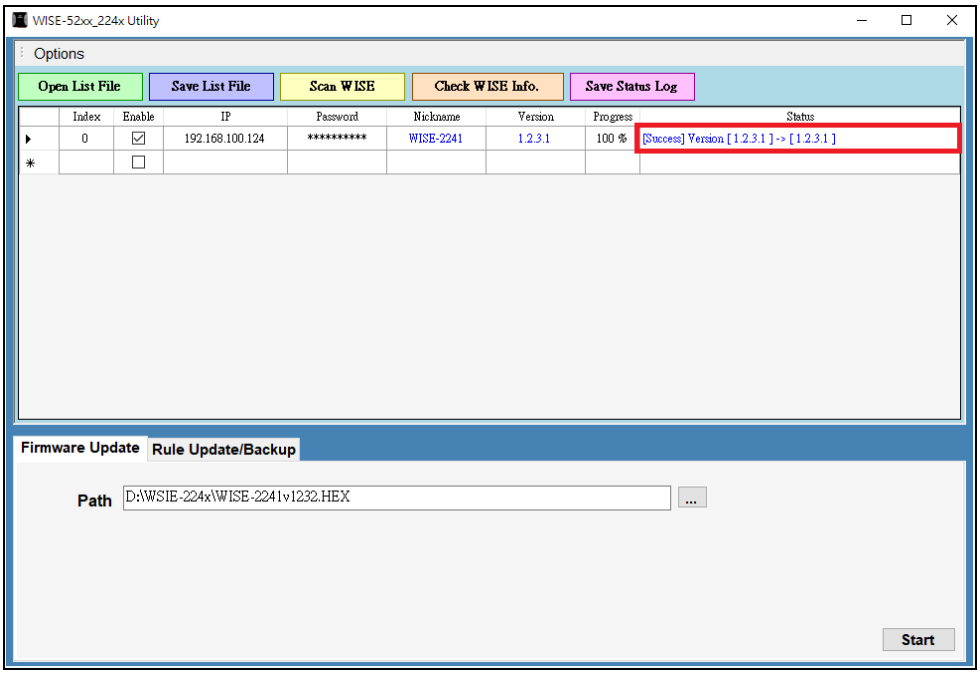
4.3 Function Area

4.3.1 Firmware Update

The user can use [Firmware Update] function to update firmware on multiple WISE-52xx/WISE-224x controllers at the same time. The operation interface is as the following:



Please select the firmware path, and click start button to start the firmware update operation.



After the updating procedure is completed, the "Status" field will show the information for the user.

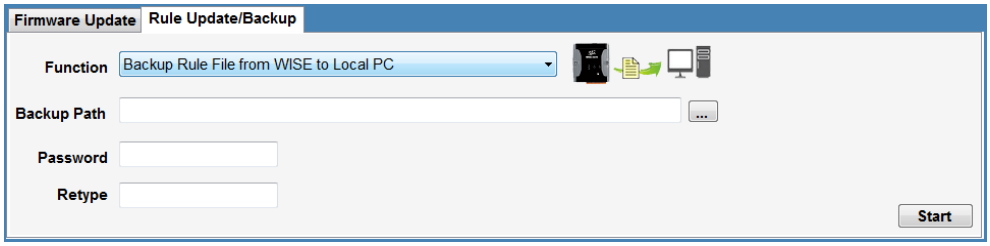
4.3.2 Rule Update/Backup

Rule Update/Backup includes four functions：

- **Backup Rule File from WISE to Local PC**

  The user can use [Backup Rule File from WISE to Local PC] function to backup the WISE rule file from WISE-52xx/WISE-224x controller to local PC. The operation interface and the description of parameters are as the following：

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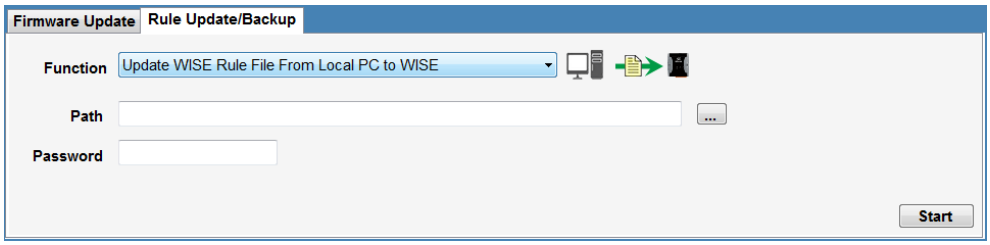
Backup Path：Please select the backup path.

Password：Please input password to protect the backup rule file.

Please note：The backup rule file will be saved in ZIP format; it is required to input the password previously set to unzip the file to avoid unauthorized access to the file.

- **Update WISE Rule File From Local PC to WISE**

  The user can use [Update Rule File From Local PC to WISE] function to update rule file to multiple WISE-52xx/WISE-224x controllers from the local PC. The operation interface and the description of parameters are as the following：

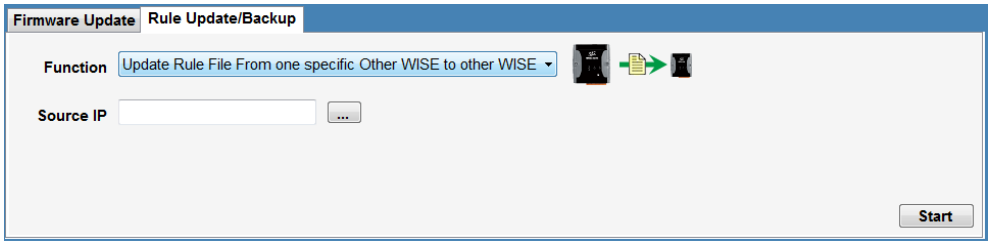


Path：Please select rule file path.

Password：Please input the password of the rule file.

- **Update Rule File From one specific WISE to other WISE**

  User can use [Update Rule File From one specific WISE to other WISE] function to update the rule file from one specific WISE-52xx/WISE-224x to multiple WISE-52xx/WISE-224x controllers. The operation interface and the description of parameters are as the following：



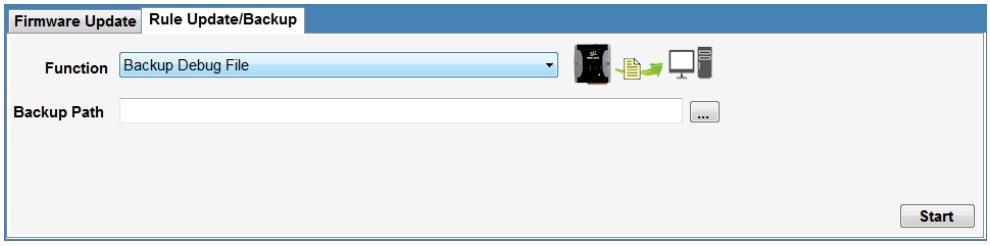
Source IP：Please Click [...] to select the source

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WISE-52xx/WISE-224x on the WISE IP List for the rule file update operation.

- **Backup Debug File**

  When the user encounters difficulty in rule settings and would like to send back the rule file to ICP DAS for debug or analysis, please use this function to backup the rule file to the local PC and send this file to ICP DAS. This Debug file will be encrypted for safety reasons and will be decrypted later by ICP DAS for further analysis



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