

Communication with

Rockwell Micro850 Series

V1.0



**Website:** <http://www.we-con.com.cn/en>

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**Overview**

This document introduces the free tag protocol steps for PI3070ig and AB 2080-LC50-24QBB, which is divided into three parts:

⚫ Software Configuration of RSLinx Classic Lite

⚫ Software Configurations of PLC

⚫ Software Configurations of HMI

**I Software Configuration of RSLinx Classic Lite**

**1.1 RSLinx Classic Lite**

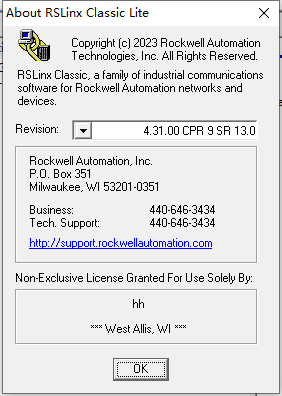


Figure 1-1

**1.2 Configuring the Driver**

1.Open the RSLinx Classic Lite software and click [Configure Drivers...] in [Communications].

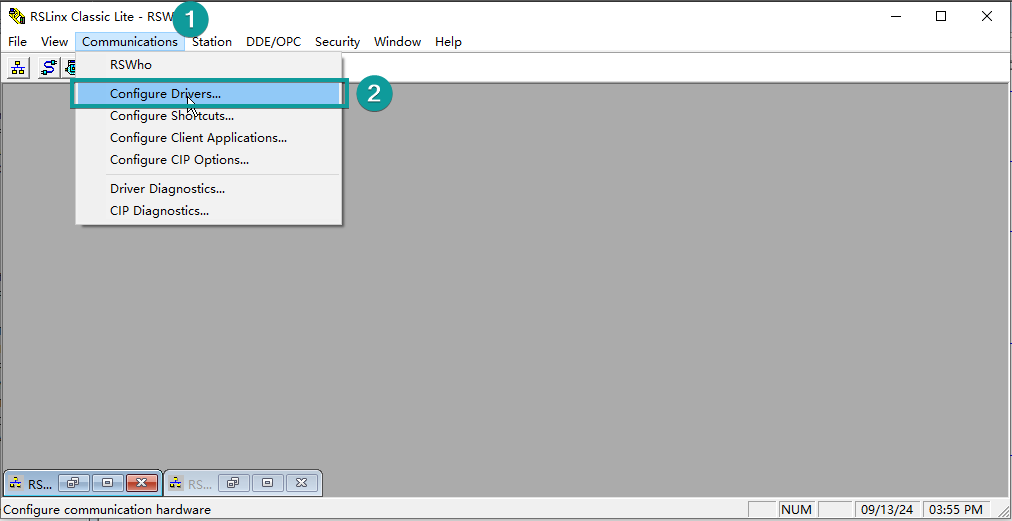


Figure 1-2

2.Click the drop-down menu and select EtherNet/IP driver

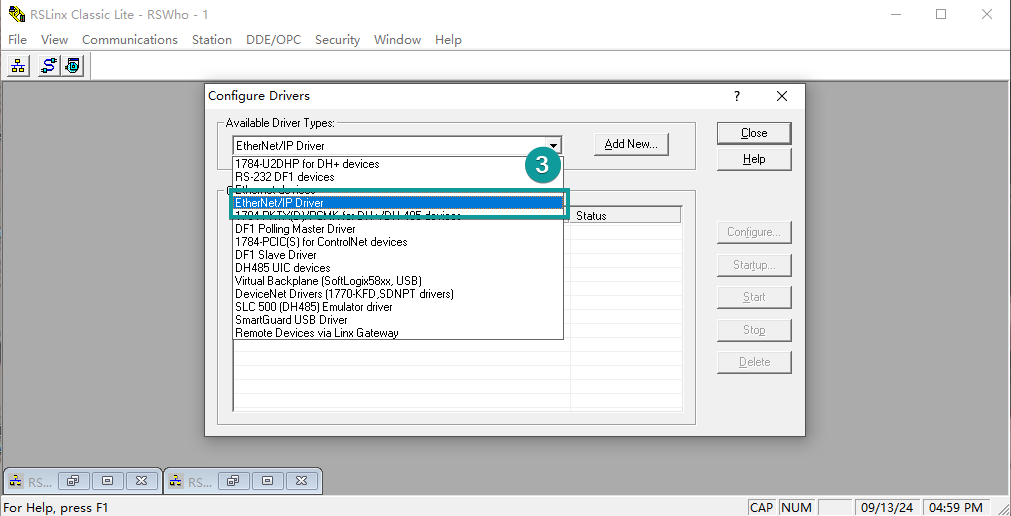


Figure 1-3

3.Click Add New and a pop-up window will pop up. Name the driver and click [OK] in the pop-up window.

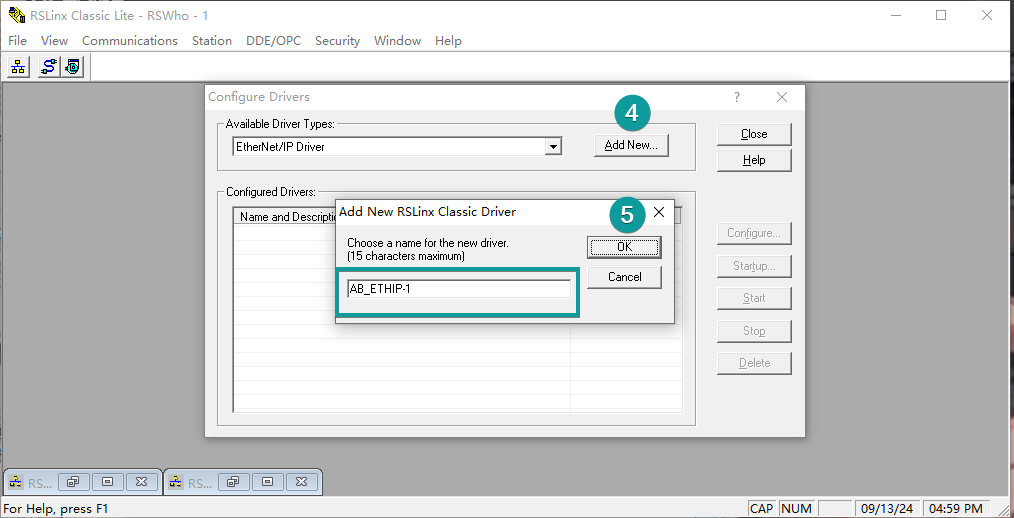


Figure 1-4

4.The configuration driver window pops up., click on the correct network adapter option (such as the ASIX USB to Fast Ethernet Family Adapter option in this picture), and click [OK].

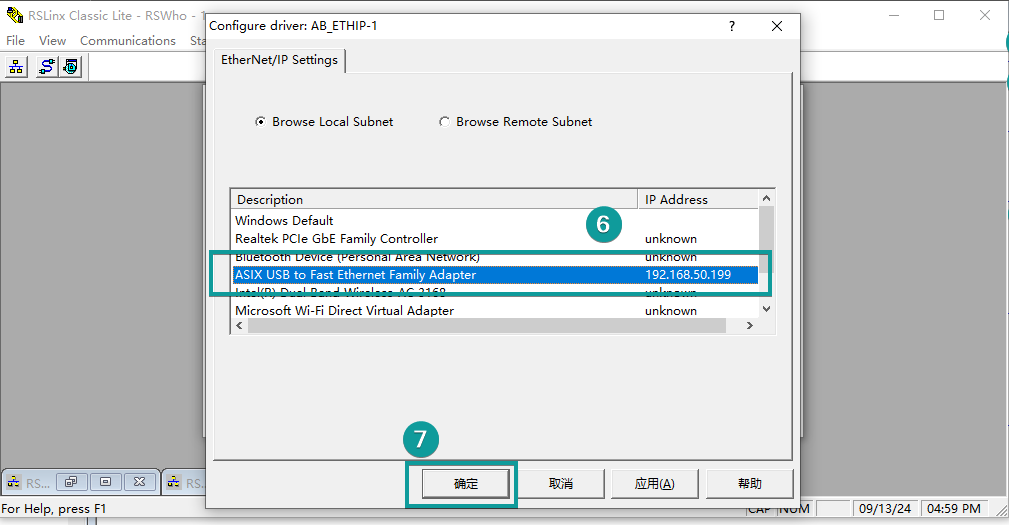


Figure 1-5

5.Click the [Close] button

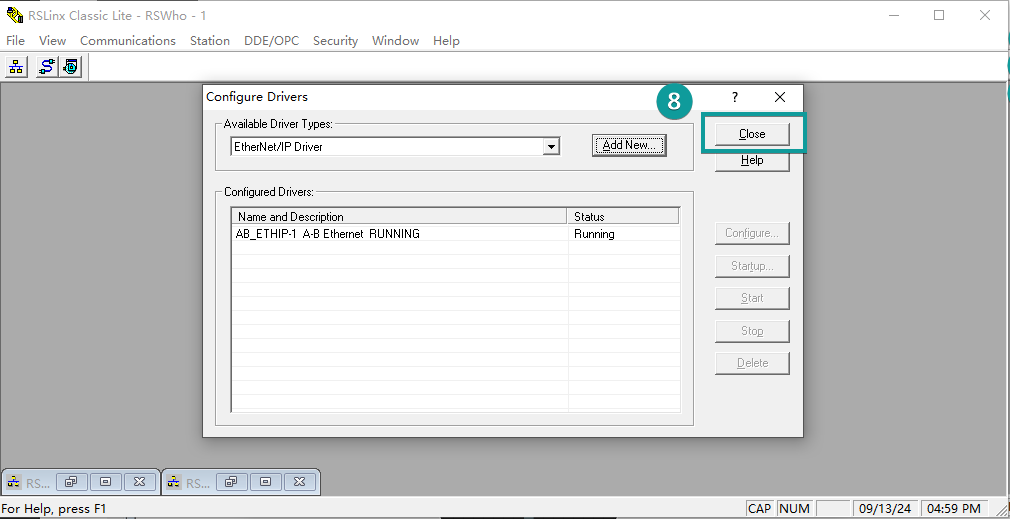


Figure 1-6

**II Software Configurations of PLC**

**2.1 Connected Components Workbench**

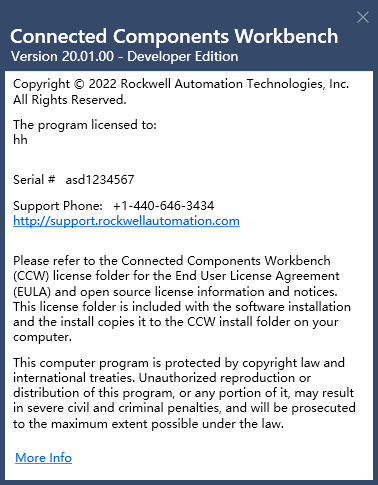


Figure 2-1

**2.2 New project**

1.Open Connected Components Workbench and create a new project or open an existing project.

To create a new project: click [New Project]→Edit project name→Click [Browse]select project storage location→Click [Create].

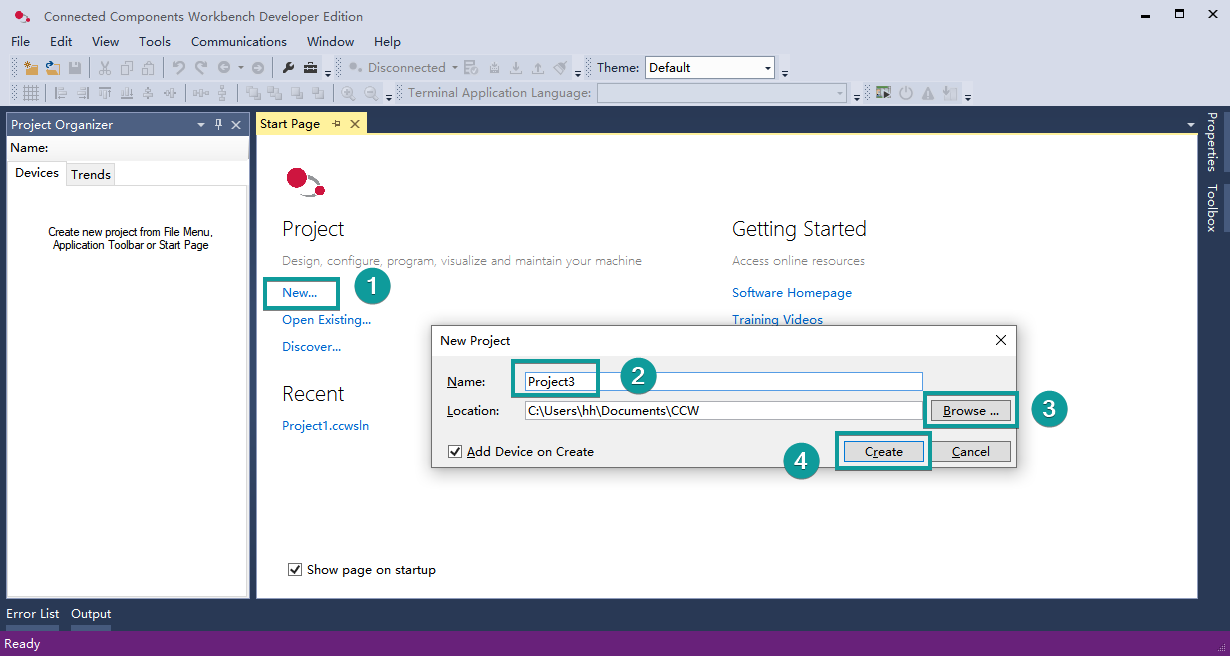


Figure 2-2

2.Click the [Controllers]→ [Micro850] → Select device model → [Add To Project].

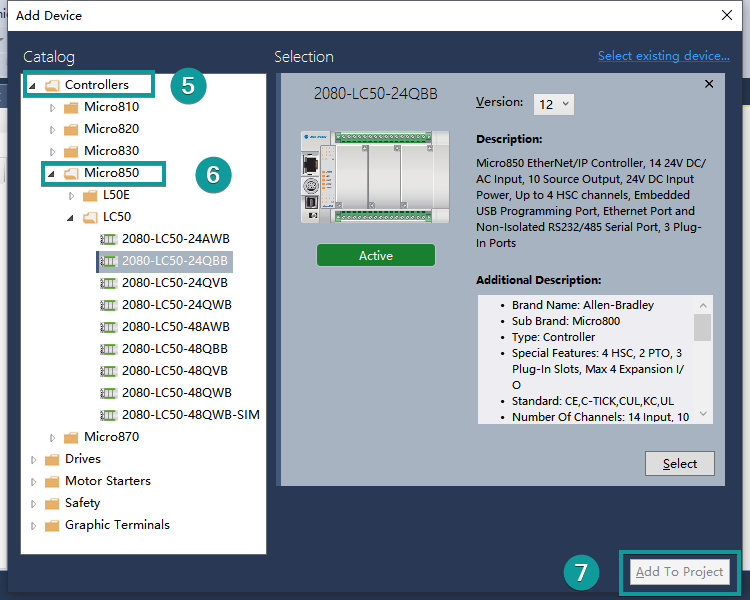


Figure 2-3

**2.3 Create a new tag**

1. Double click [Global Variables]→Right click on a blank space in the table→ Click [Add Variable].

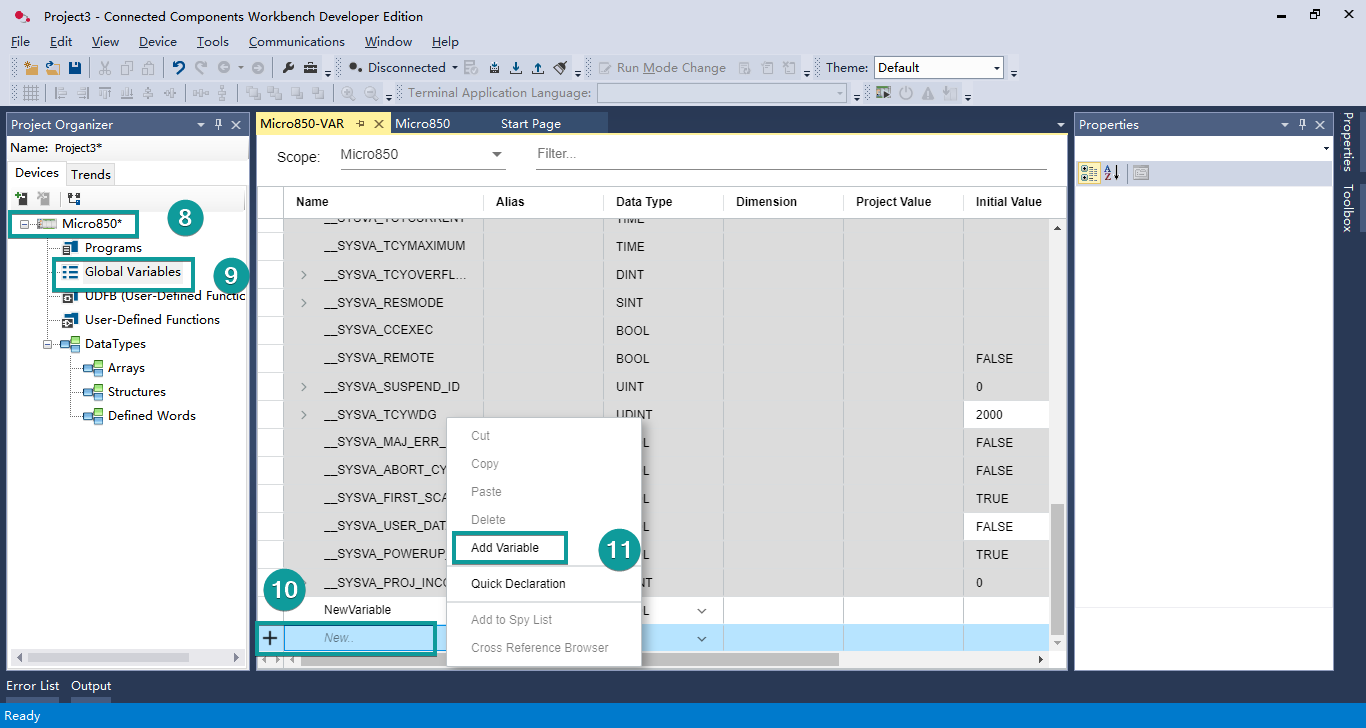


Figure 2-4

**2.3 Establishing communication**

1.Right click[Micro850]→ Click [Properties].

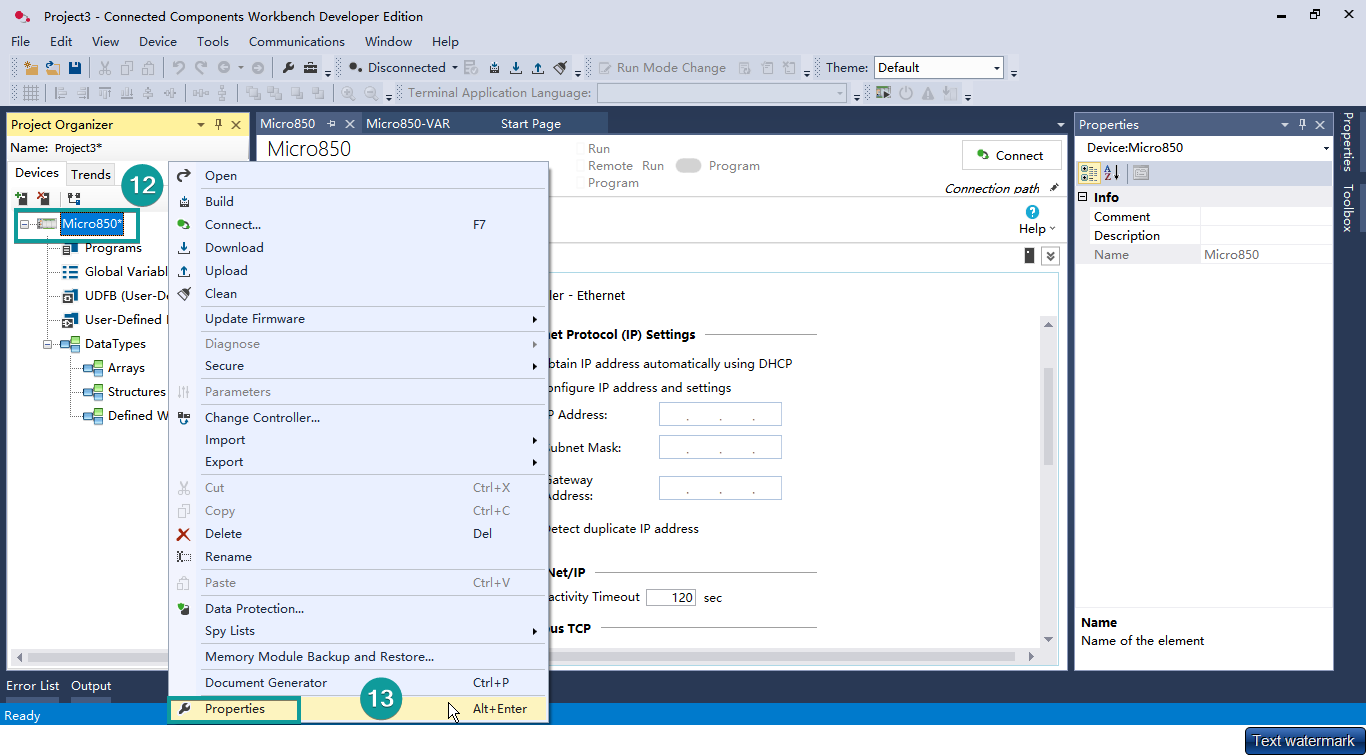


Figure 2-5

2.Select Controller → Ethernet →Configure the IP address of the PLC.

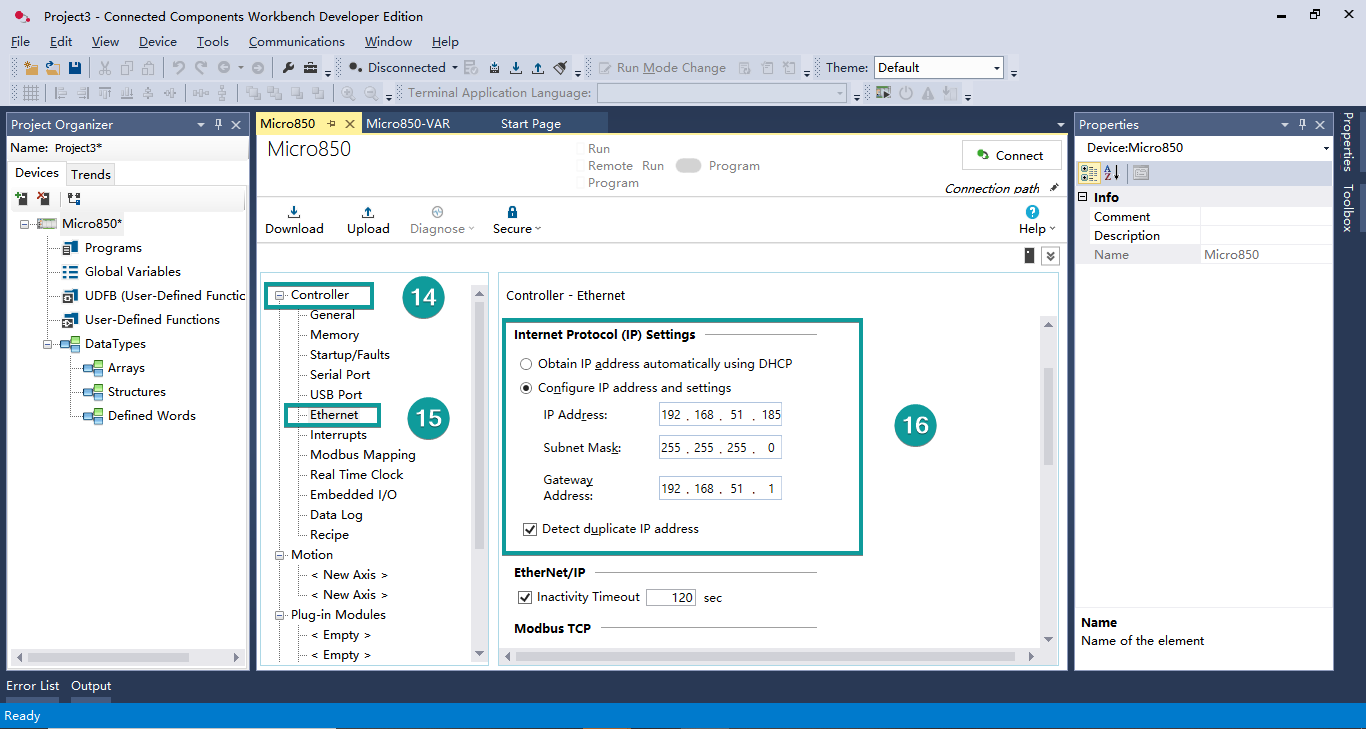


Figure 2-6

3.Click [Download]→Choose your device→Click[OK].

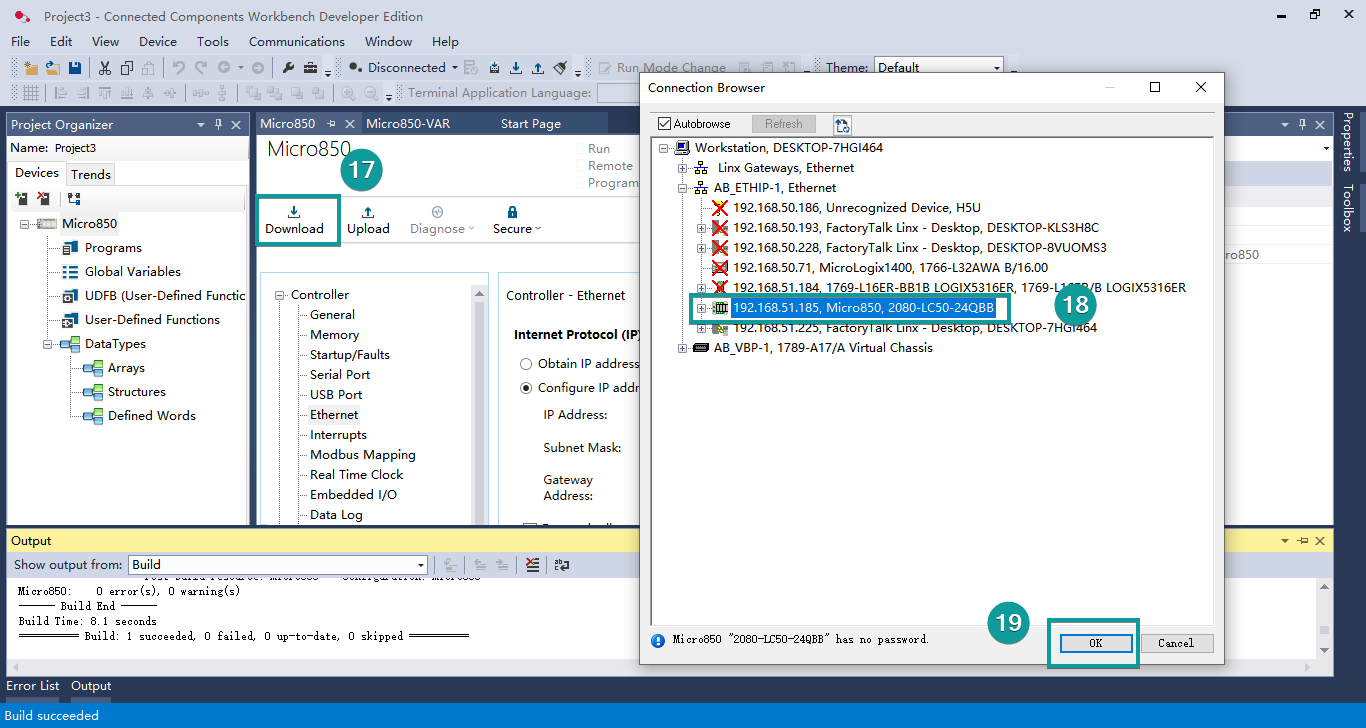


Figure 2-7

4.Click[Download].

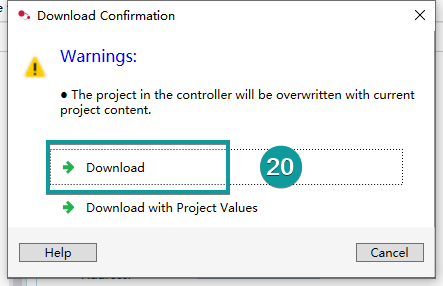


Figure 2-8

**2.5Export Tags**

1. Right click [Micro850]→Click [Export]→Click [Variables].

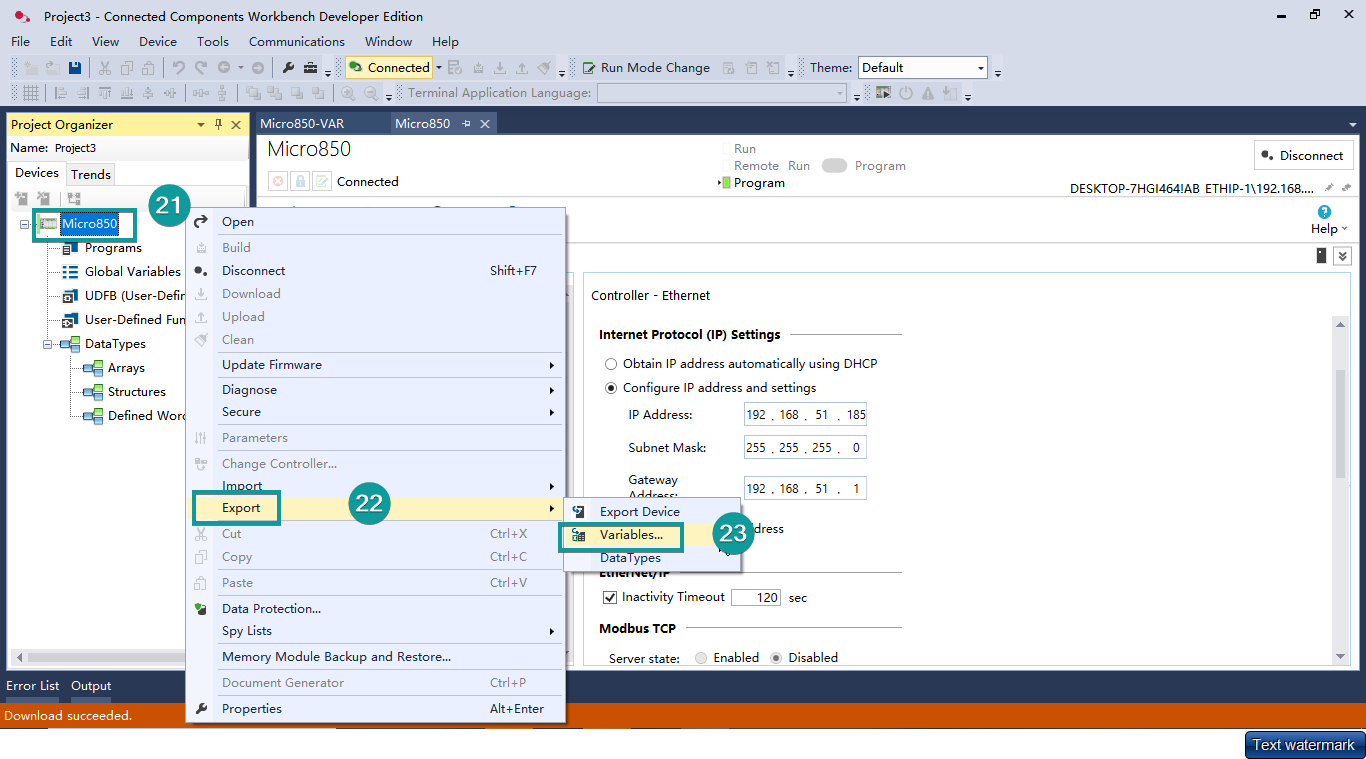


Figure 2-12

2.Edit the tag file name → Select the file storage location → [Export].

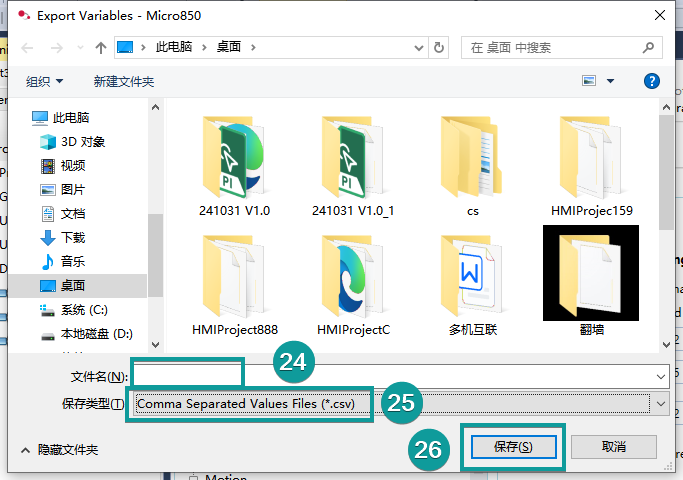


Figure 2-13

**Ⅲ Software Configurations of HMI**

**3.1 PIStudio**

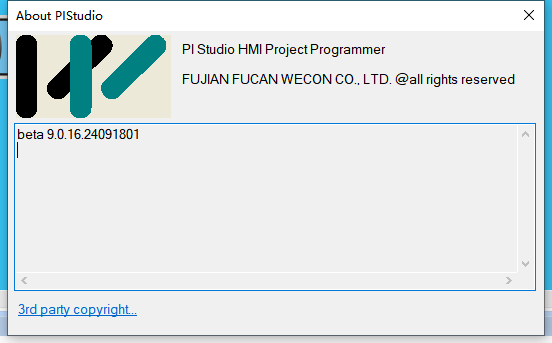


Figure 3-1

**3.2 New project**

1.[Home]→Click[New]→Set the name,series and model of HMI→[OK].

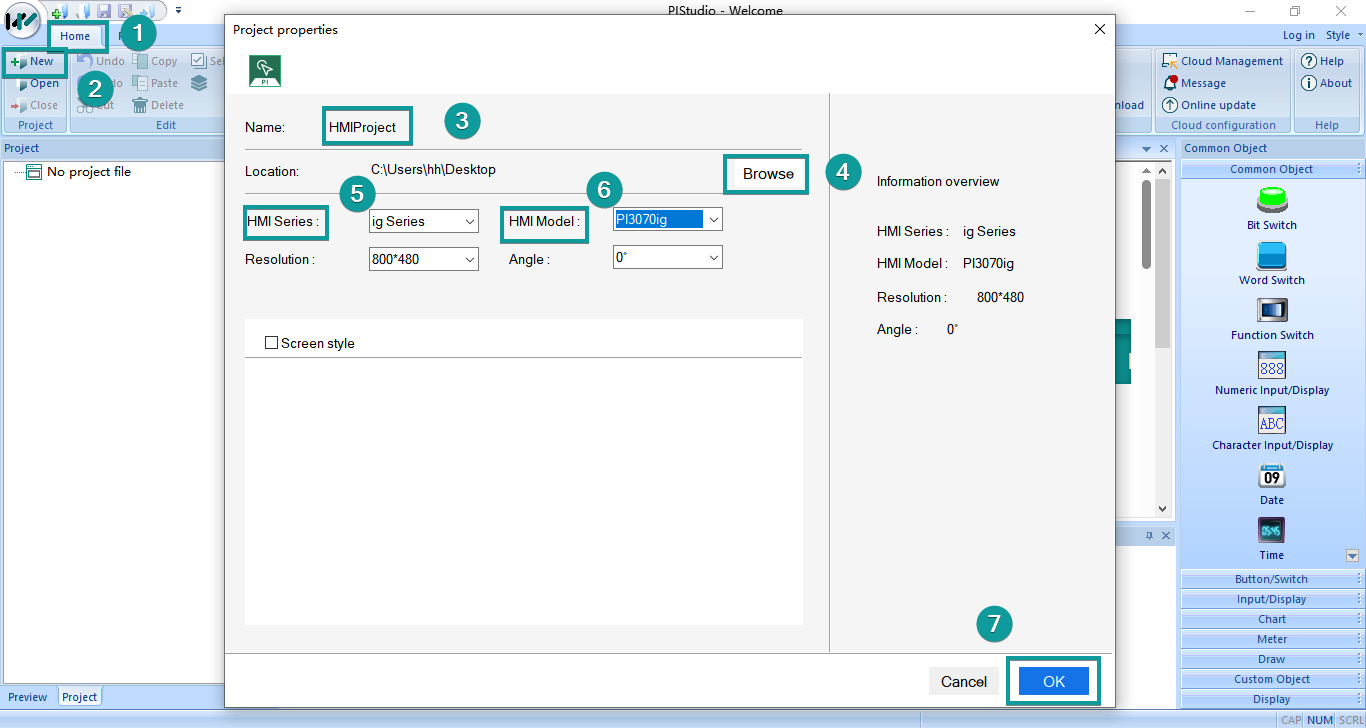


Figure 3-2

**3.3 Communication configuration**

1.[Project]→[Communication]→[New]→Device type [Rockwell]→Device type[Rockwell]→[Rockwel EtherNet/IP(Micro850 Series)]→[OK]→Edit Device IP→[Labels manage]→Import label file→[OK].

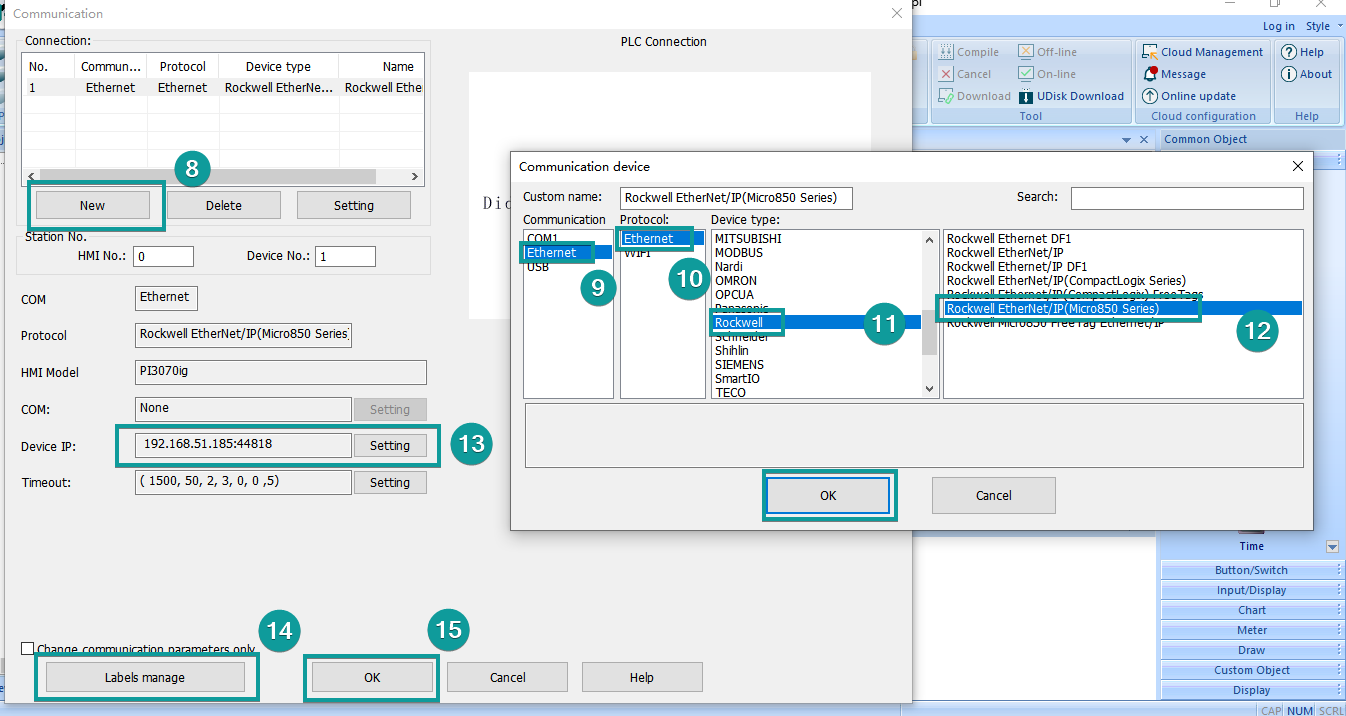


Figure 3-3

**3.4 Project making**

1.Using PIStudio to program a HMI project depending on the requirements.



Figure 3-7