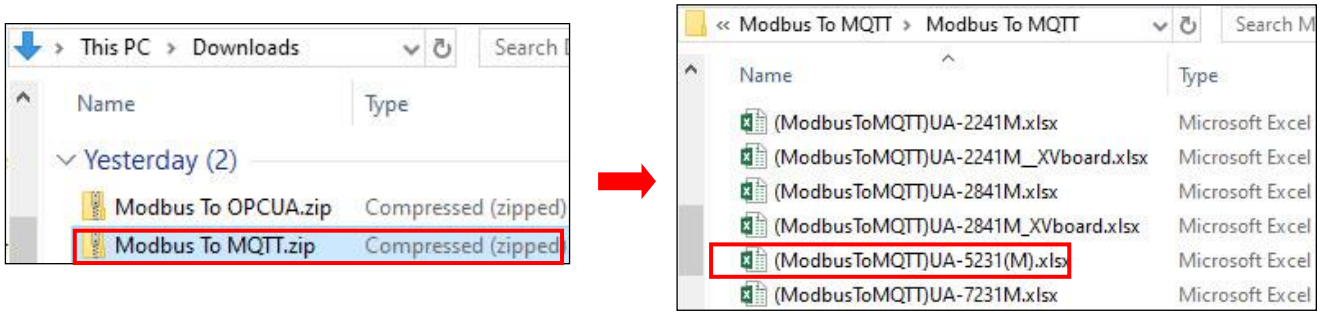
● How to Upload Modbus To MQTT Template File? (Only for UA Communication Server V1.4.6.8 or above)

1. Download Template File

Please download **Modbus To MQTT** template file from the EZ-UAQ Utility website. The download link is as follows:
https://www.icpdas.com/en/download/show.php?num=8560&nation=TW&kind1=&model=&kw=EZ-UAQ

FILE NAME	VERSION	FILE DATE	SIZE	NOTE	
--<< Official Software >>--					
EZ-UAQ Utility V3.2.8	V3.2.8	2026-05-11	13.6 MB	zip	
-<< Beta Software >>-					
EZ-UAQ Utility V3.2.12	Beta	2026-05-26	13.6 MB	zip	
--<< Software ChangLog >>--					
EZ-UAQ Utility ChangLog(EN)		2026-05-26	8.56 KB	txt	
--<< Template file>>--					
Modbus To OPCUA		2025-09-30	102 KB	zip	
Modbus To MQTT		2026-03-31	146 KB	zip	

Then unzip this file, this example uses (Modbus To MQTT) UA-5231(M).xlsx.



Note:

1. For UA-5231M-4GE configuration of “Modbus To MQTT”, the user can use the template file of "UA-5231(M).xlsx" to edit.

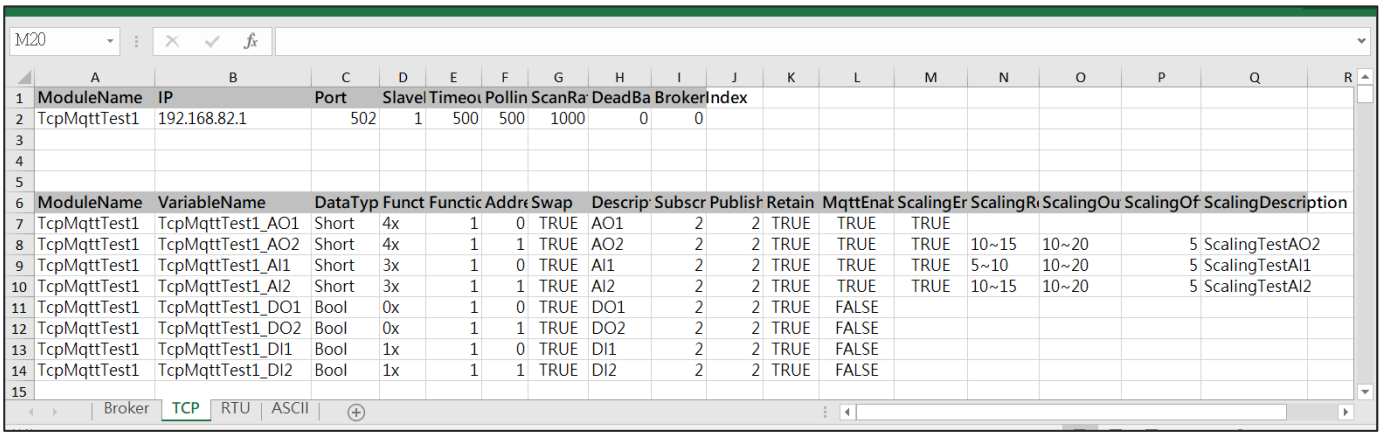
2. The Excel file with the name "_XVboard" in the zip file is the template file for the UA using the XVboard module.

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2. Edit Template File

Use the Excel template file to edit the **Modbus To MQTT** configuration (points and parameters).
Note: To edit the Excel file, please use the format of Numbers and Text, do not use formulas, otherwise it will display abnormal or incorrect.

✧ **Modbus To MQTT template file:**



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	ModuleName	IP	Port	Slavel	Timeo	Pollin	ScanRa	DeadBa	Broker	Index							
2	TcpMqttTest1	192.168.82.1	502	1	500	500	1000	0	0								
3																	
4																	
5																	
6	ModuleName	VariableName	DataTyp	Funct	Functic	Addr	Swap	Descrip	Subscr	Publish	Retain	MqttEnat	ScalingEr	ScalingR	ScalingOu	ScalingOf	ScalingDescription
7	TcpMqttTest1	TcpMqttTest1_AO1	Short	4x	1	0	TRUE	AO1	2	2	TRUE	TRUE	TRUE				
8	TcpMqttTest1	TcpMqttTest1_AO2	Short	4x	1	1	TRUE	AO2	2	2	TRUE	TRUE	TRUE	10~15	10~20	5	ScalingTestAO2
9	TcpMqttTest1	TcpMqttTest1_AI1	Short	3x	1	0	TRUE	AI1	2	2	TRUE	TRUE	TRUE	5~10	10~20	5	ScalingTestAI1
10	TcpMqttTest1	TcpMqttTest1_AI2	Short	3x	1	1	TRUE	AI2	2	2	TRUE	TRUE	TRUE	10~15	10~20	5	ScalingTestAI2
11	TcpMqttTest1	TcpMqttTest1_DO1	Bool	0x	1	0	TRUE	DO1	2	2	TRUE	FALSE					
12	TcpMqttTest1	TcpMqttTest1_DO2	Bool	0x	1	1	TRUE	DO2	2	2	TRUE	FALSE					
13	TcpMqttTest1	TcpMqttTest1_DI1	Bool	1x	1	0	TRUE	DI1	2	2	TRUE	FALSE					
14	TcpMqttTest1	TcpMqttTest1_DI2	Bool	1x	1	1	TRUE	DI2	2	2	TRUE	FALSE					
15																	

Broker | TCP | RTU | ASCII

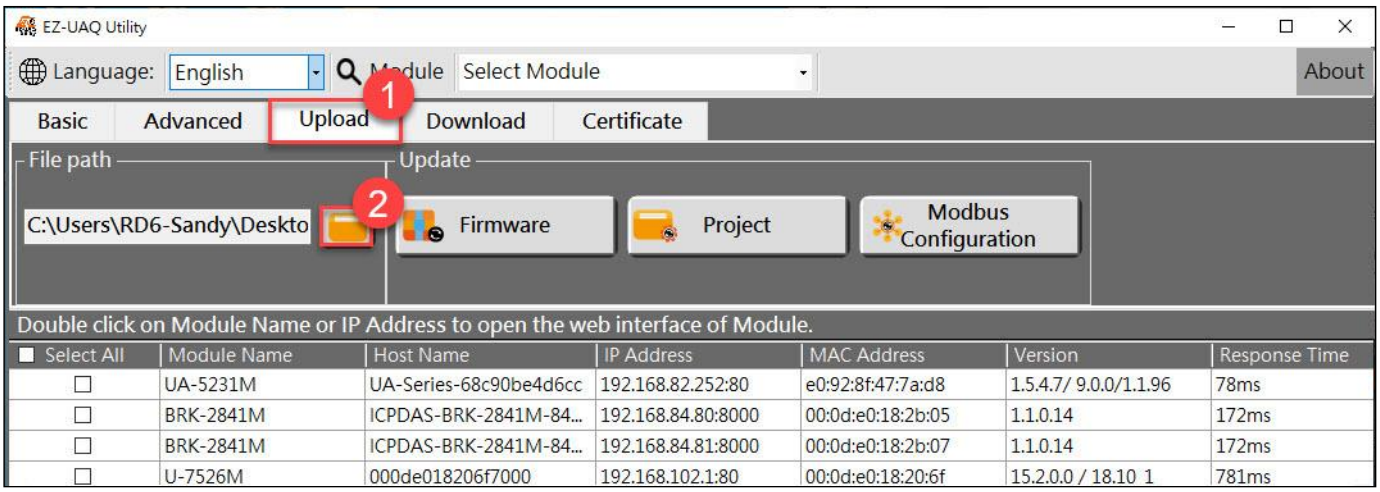
Note: For instructions on the **Modbus To MQTT template file**, refer to **FAQ-008**.

3. Upload Template File

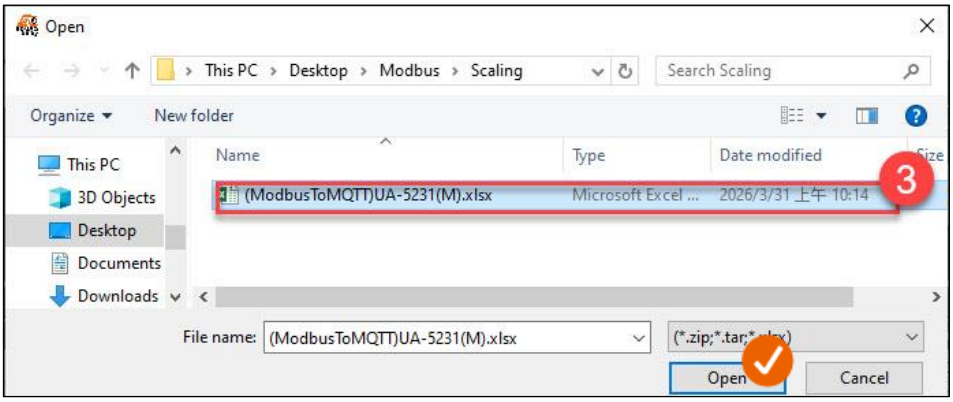
Upload the edited **Modbus To MQTT** template file to the UA Communication Server via EZ-UAQ Utility.

Step 1: Select Template File

①Click the【**Upload**】→②Click the **[Browse]** button →③Select the template file

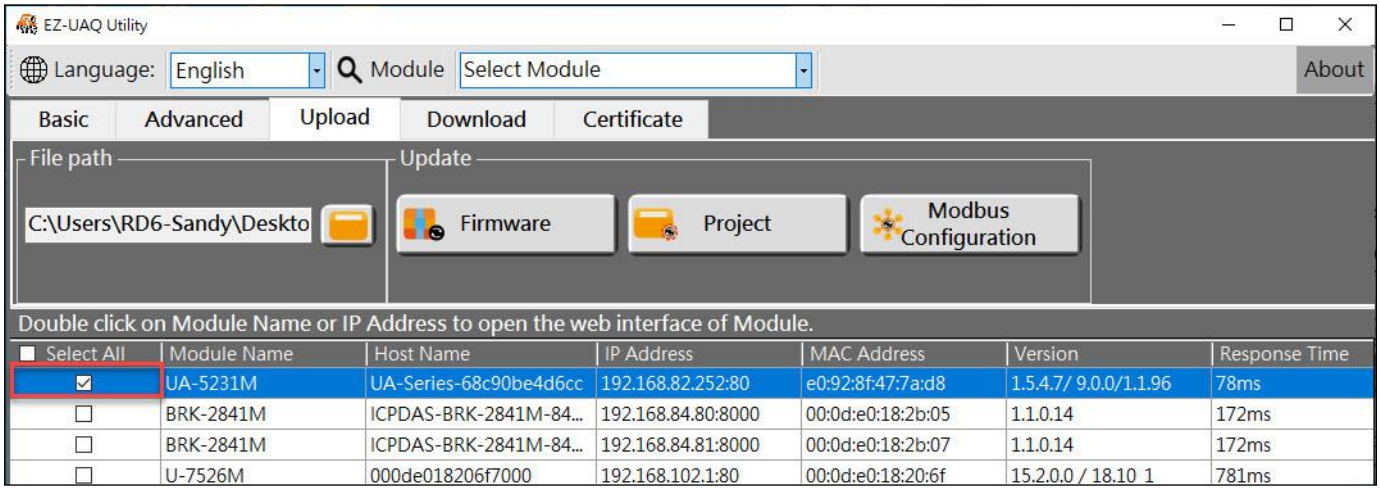


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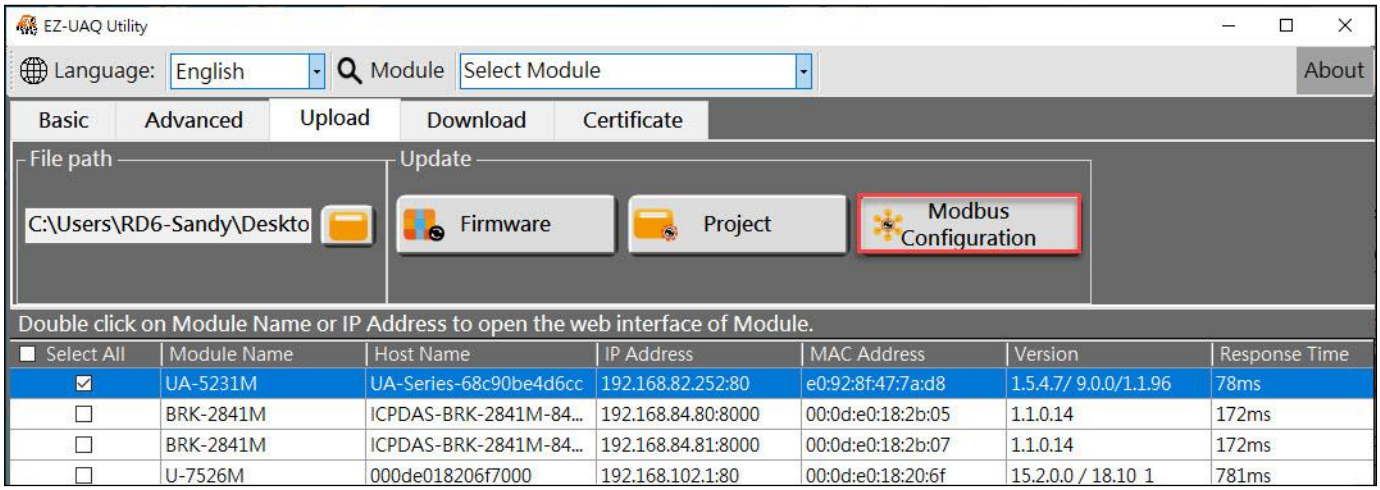
Step 2: Select Module

Check the module(s) to be updated.

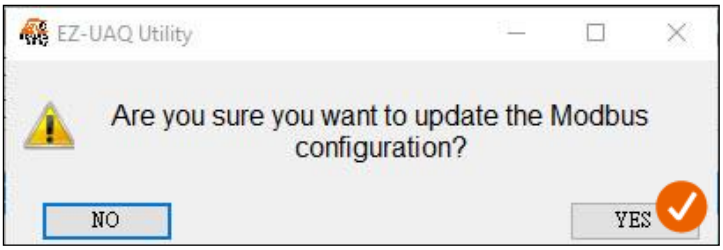


Step 3: Execute Modbus Configuration Update

Click the **[Modbus Configuration]** button. Two confirmation message windows will appear sequentially (Figure I and Figure II). Click **[YES]** in both windows.



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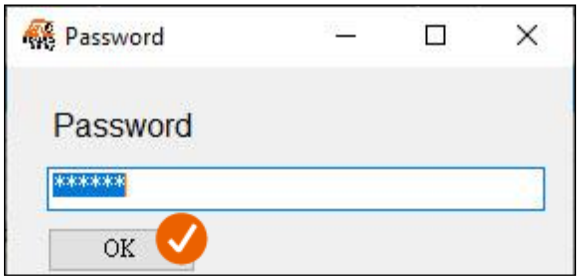
(Figure I)



(Figure II)

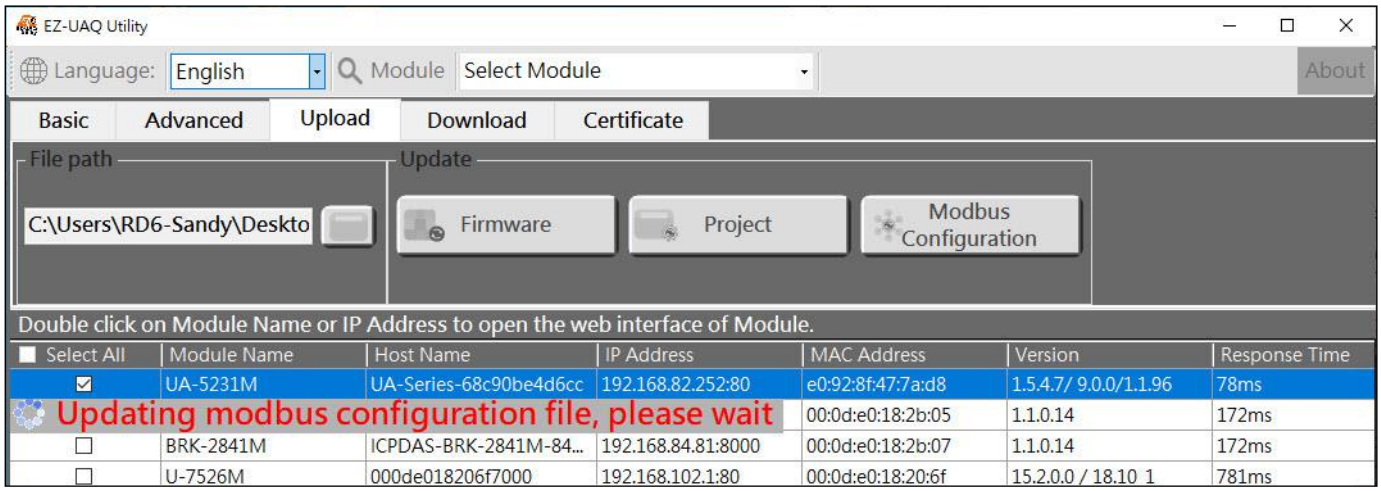
Step 4: Enter Password

After confirmation, a **"Password"** window will appear. Enter the EZ-UAQ Utility password configured in the module and click **[OK]**.



Step 5: Updating Modbus Configuration

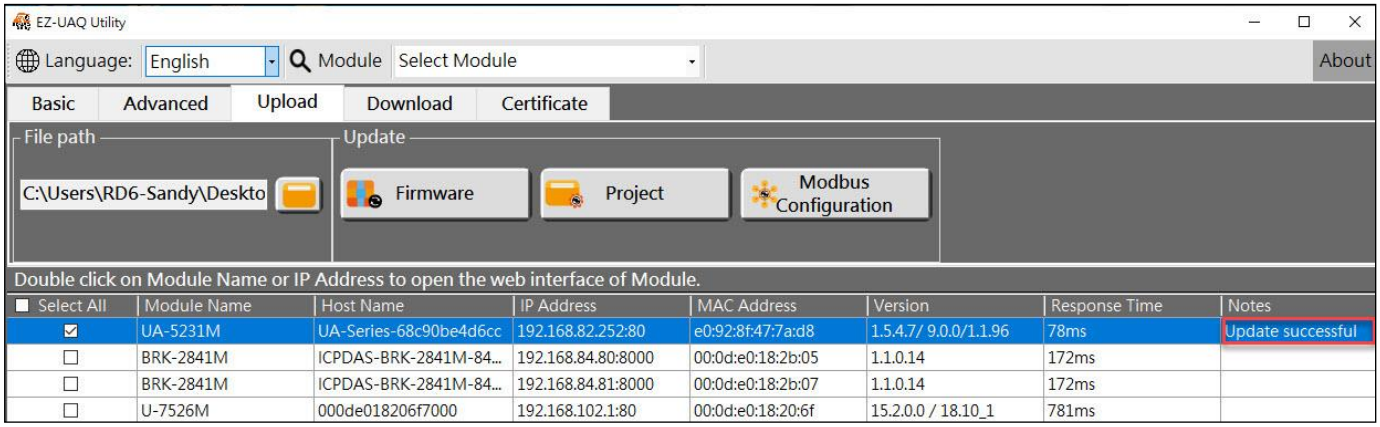
When the interface displays: **"Updating modbus configuration file, please wait"** the configuration file is being uploaded.



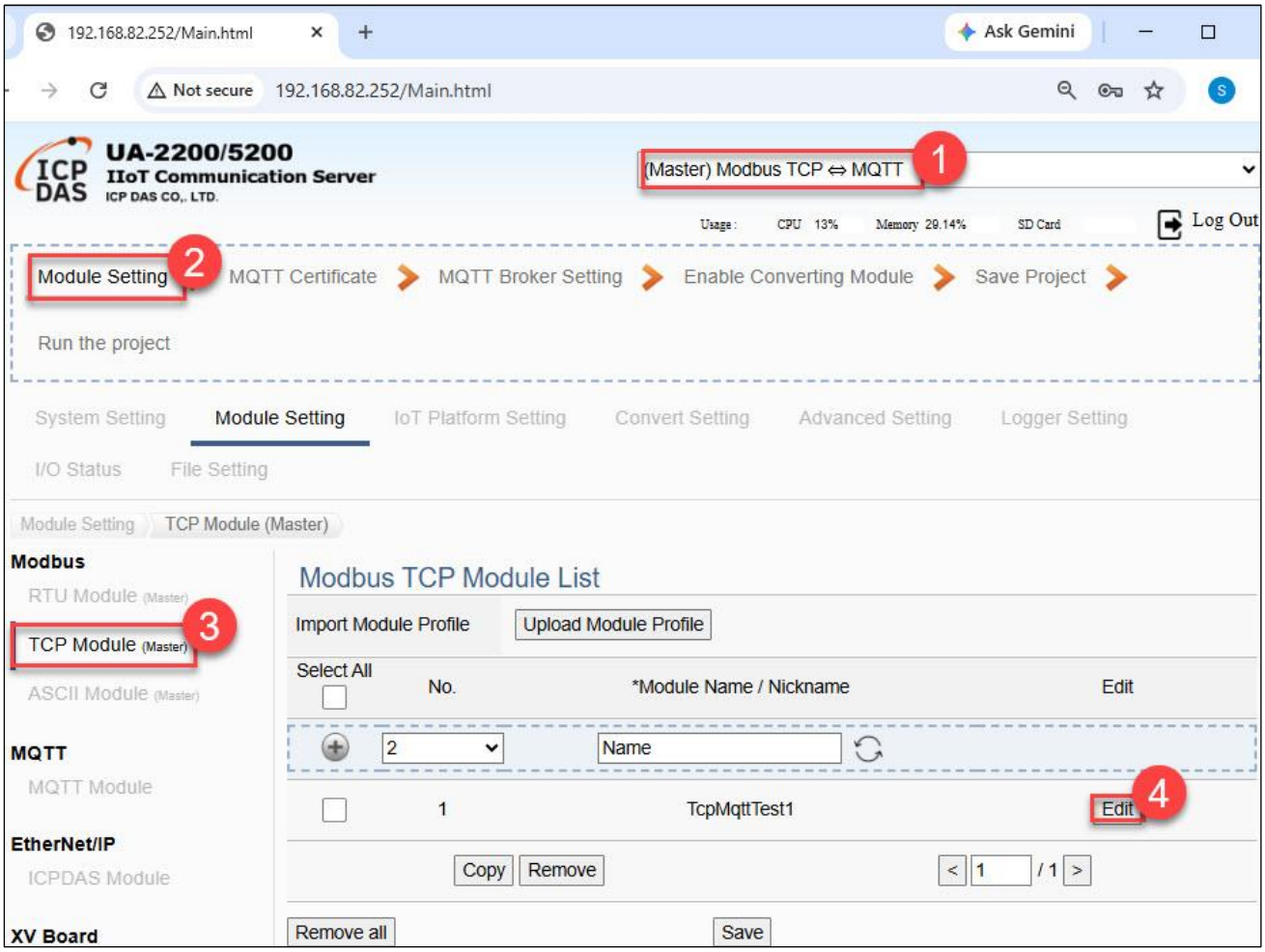
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Step 6: **Modbus Configuration Update Completed**

After the update is completed successfully, the **[Notes]** field of the selected module(s) will display: **"Update Successful"**

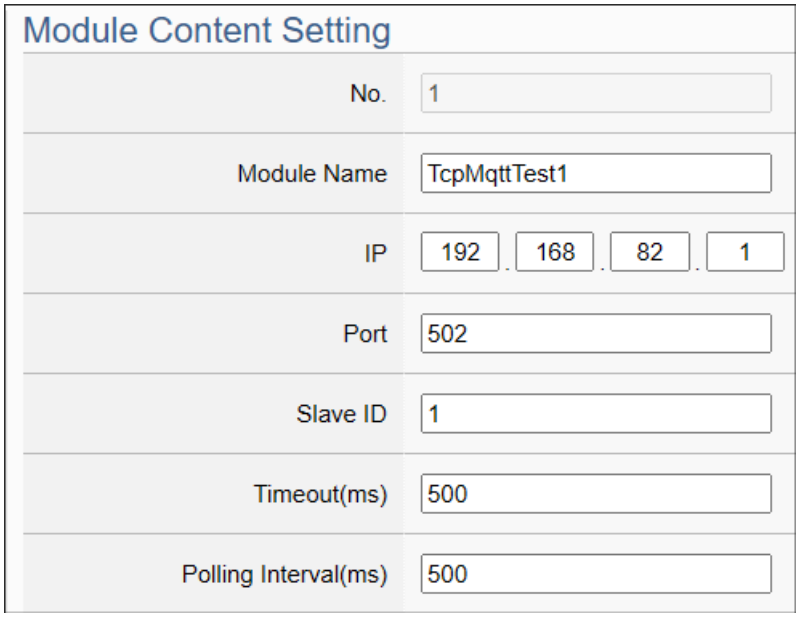


Note: To view the Modbus configuration data of the module, please log in to the UA webpage and click **① Modbus TCP <=> MQTT > ② Module Setting > ③ TCP Module > ④ Edit**, as shown below:

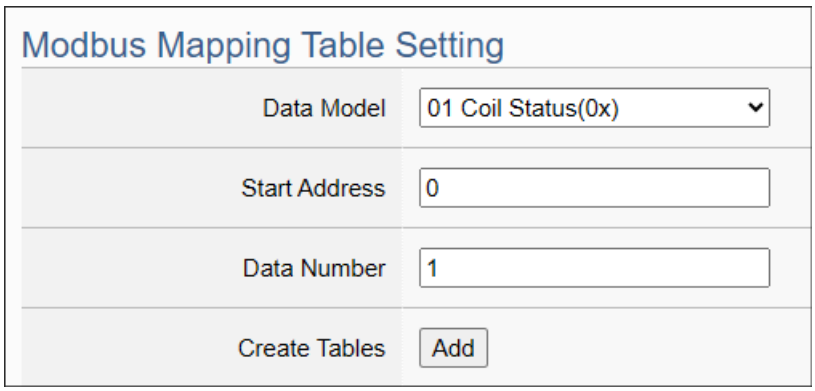


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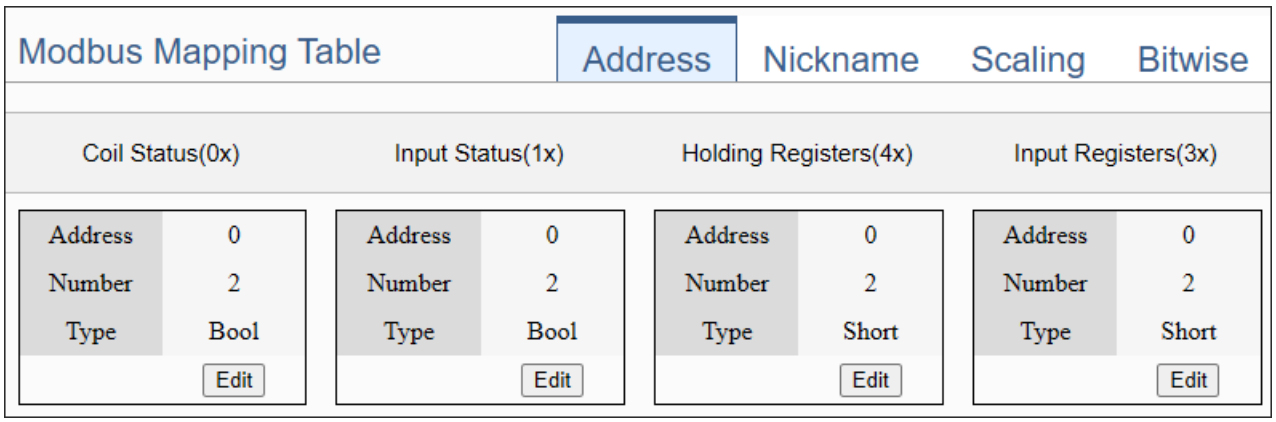
✧ Modbus TCP Module Setting



✧ Modbus Mapping Table Setting

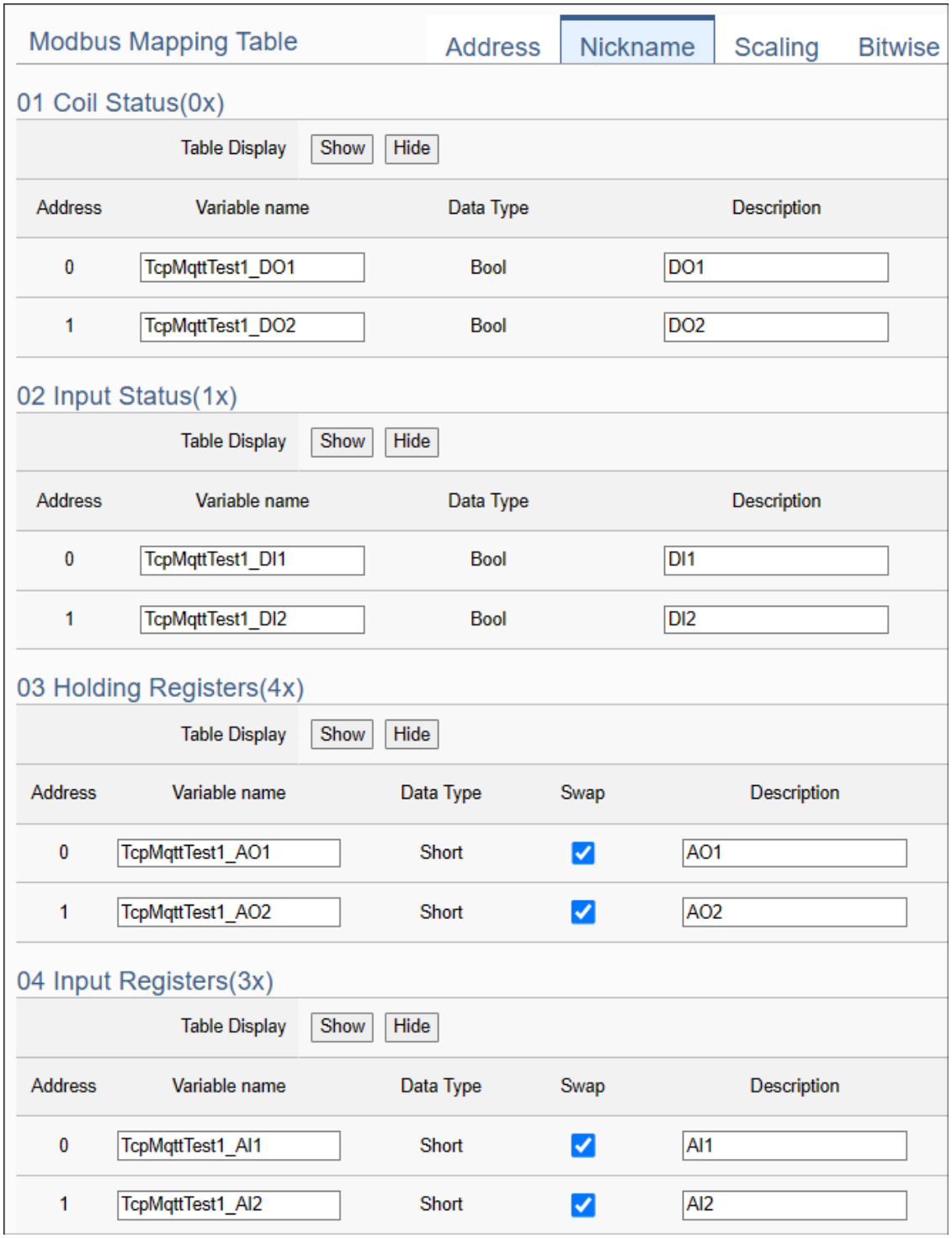


✧ Modbus Mapping Table > Address Setting



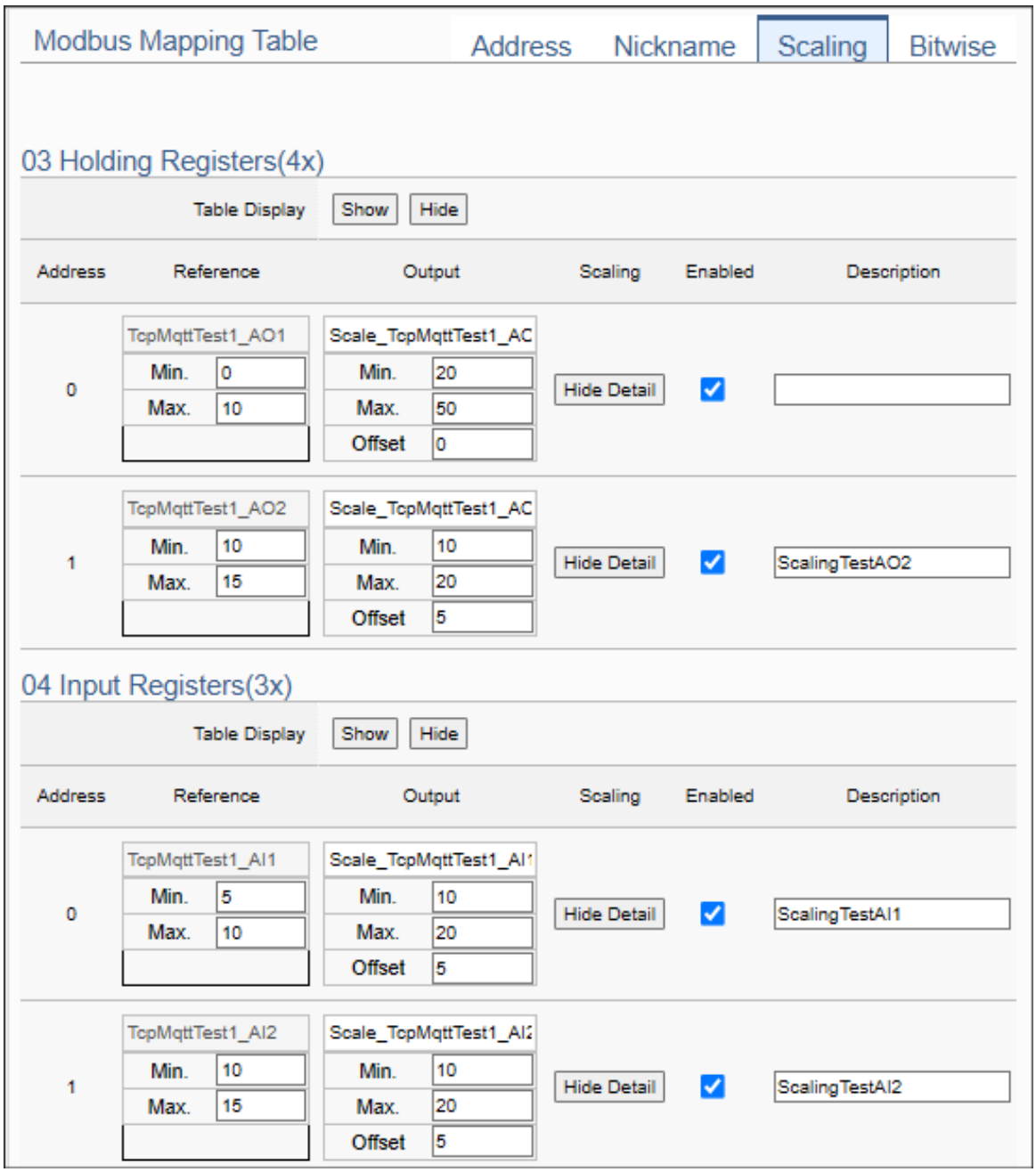
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✧ Modbus Mapping Table > Nickname Setting



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✧ Modbus Mapping Table > Scaling Setting



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