

ICP DAS

iSN-81x series FAQ

FAQ Version 1.00

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Q6:How to calculate the total number of iSN-81x series modules required for the target measurement area?

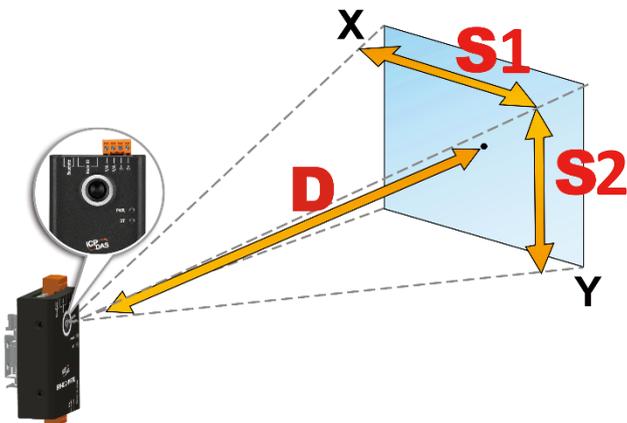
A6:Calculate the measurement area covered by the selected module, then divide the target measurement area by the module's measurement area.

How to calculate the measurement area?

Model	iSN-811C-MTCP	iSN-812-MTCP/MRTU	iSN-813-MTCP
FOV	X: 60° D : S1 =1 : 1.15	X: 110° D : S1 =1 : 2.86	X: 90° D : S1 =1 : 2
	Y: 60° D : S2 =1 : 1.15	Y:75° D : S2 =1 : 1.53	Y: 67° D : S2 =1 : 1.32

Using the iSN-813-MTCP module as an example, when the distance (D) is 3 meters:

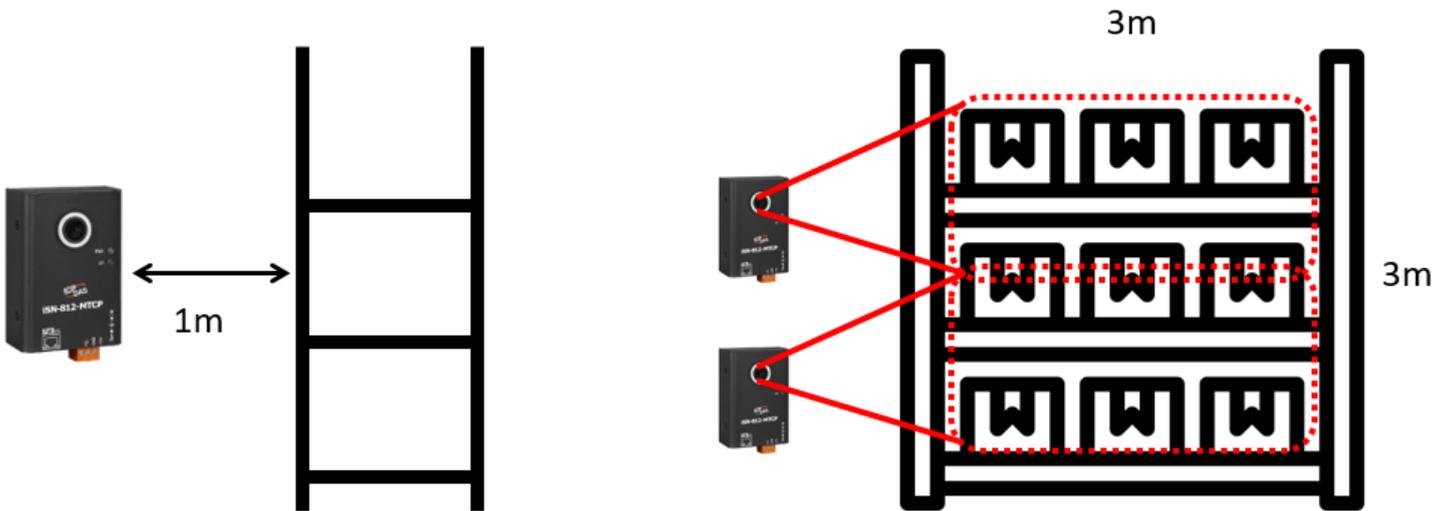
- $S1 = 3 \times 2 = 6$ meters
- $S2 = 3 \times 1.32 = 3.96$ meters
- Module measurement area = $6 \times 3.96 = 23.76$ square meters



How to calculate the required number of modules?

Using the iSN-812-MTCP module as an example, when the target object is a shelf with a width of 3 meters and a height of 3 meters, and the module is positioned 1 meter away from the target, two iSN-812-MTCP modules can cover most of the target surface area:

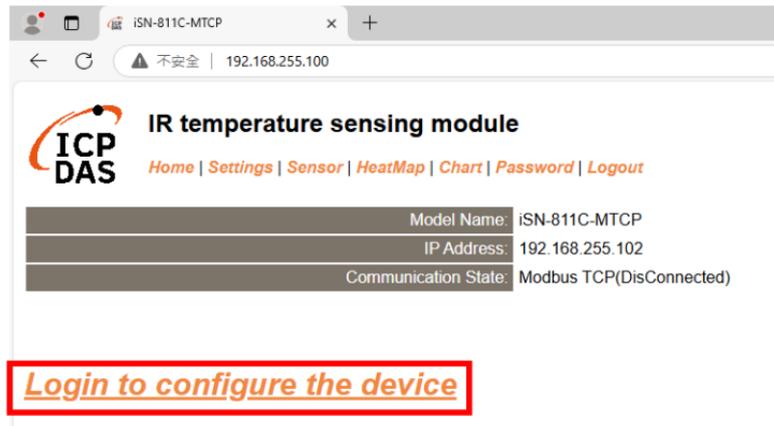
- Target surface area = $3 \times 3 = 9$ square meters
- iSN-812-MTCP measurement area = $2.86 \times 1.53 = 4.3758$ square meters



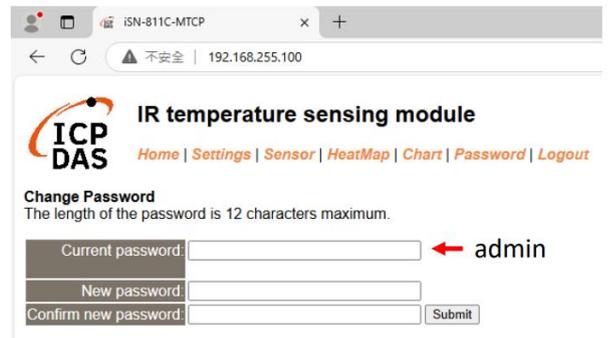
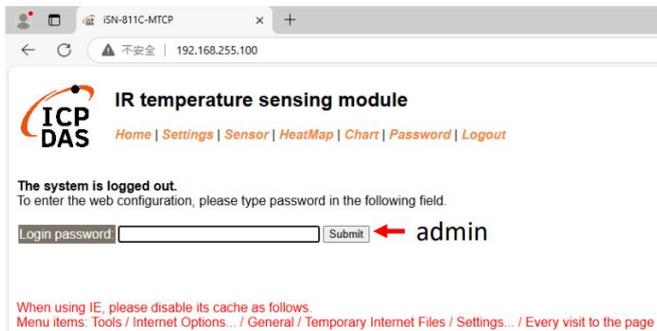
Q7: If you forgot the iSN-81x-MTCP module password, how can you reset it?

A7:

1. When the iSN-81x-MTCP module is operating in normal mode, switch the switch of module to the "init" position, then click Login to access the login page.



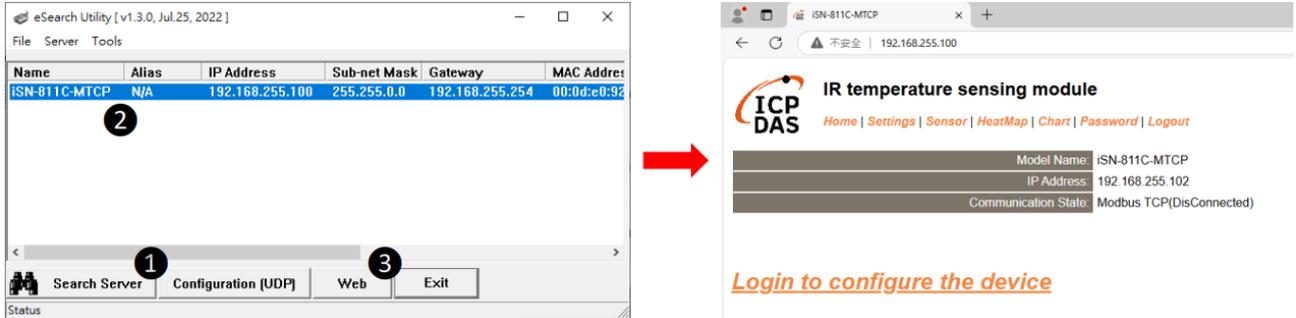
2. On the login page, enter the default password: admin, and you will be able to reset the password.



Q8: If you want to configure the iSN-81x-MTCP module but have forgotten its IP address, how can you connect to the configuration webpage?

A8: When the module's IP address is forgotten, there are two methods to connect to the configuration webpage: using eSearch Utility or the default IP address.

1. Download eSearch Utility, open it, and click Search Server. Select the iSN-81x-MTCP module you want to connect to, then click Web to open the configuration webpage.



2. When the iSN-81x-MTCP module is operating in normal mode, switch the switch of module to the "init" position. The module's IP address will revert to the default IP, allowing you to connect to the configuration webpage using the default IP address.

