






**OMC System Software**  
**High-performanceHMI**  
**Network Dongle**  
**User Manual**  
**IM41S10-E**

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Symbol Definition	
	<b>WARNING:</b> Indicates information that a potentially hazardous situation which, if not avoided, could result in serious injury or death.
	<b>RISK OF ELECTRICAL SHOCK:</b> Indicates information that Potential shock hazard where HAZARDOUS LIVE voltages greater than 30V RMS, 42.4V peak, or 60V DC may be accessible.
	<b>ESD HAZARD:</b> Indicates information that Danger of an electro-static discharge to which equipment may be sensitive. Observe precautions for handling electrostatic sensitive devices
	<b>ATTENTION:</b> Identifies information that requires special consideration.
	<b>TIP:</b> Identifies advice or hints for the user.

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# Network Dongle User Manual

## Section 1 Overview

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High-performanceHMI component (hereinafter referred to as "this component") requires a software license during use. There are two types of software license, one is physical dongle and the other is network dongle.

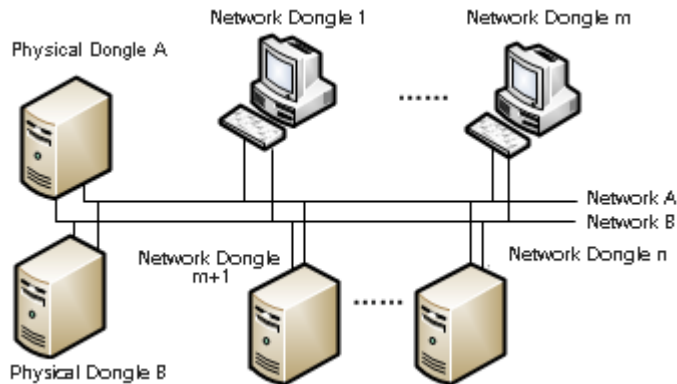
The network dongle is an extension of the physical dongle. That means when you insert a physical dongle on a host (hereinafter referred to as "server"), and the components of other nodes (hereinafter referred to as "client") can get the authorization information of the physical dongle through the networks.

This manual mainly describes the configuration of using the network dongle, including two parts: server configuration and client configuration.

## Section 2 Typical Network Structure

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The following figure shows a typical network structure using network dongles. A physical dongle supports connecting with multiple network dongles. The number of network dongles depends on the dongle license. Software dongle has the same permission that a physical dongle has.



**Figure 2-1 Typical network structure**

In the figure above, to ensure the reliability of the network dongles, you can deploy the physical dongles in 1:1 redundancy mode and on two redundant networks.

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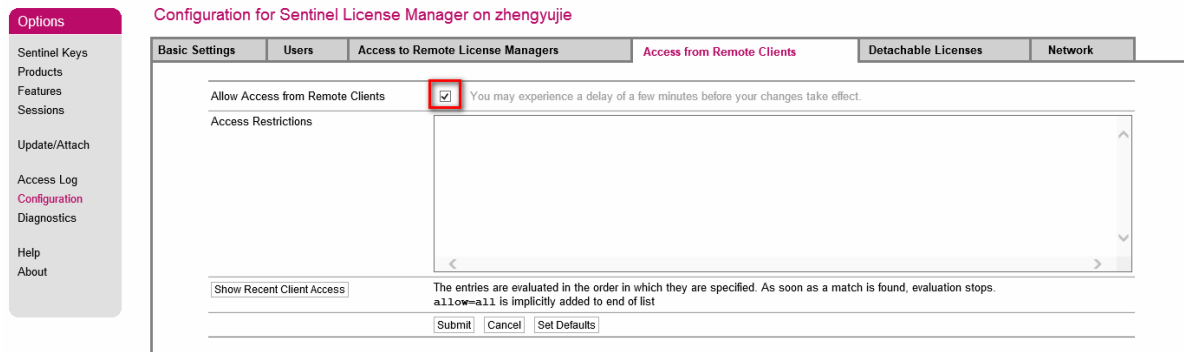
Tips:



- If the physical dongle and network dongle are both installed on the same computer, **network dongle** takes precedence over physical dongle.
  - If a physical dongle is authorized with N network dongles, the first N network dongles connected can acquire the license.
-

## Section 3 Server Configuration

1. Insert the physical dongle on the host.
2. Open a web browser, enter `http://localhost:1947` and press the key Enter.
3. Select "Configuration" from the list on the left and select the "Access from Remote Clients" tab in the right interface, as shown in Figure 3-1.
4. Check the setting of "Allow Access from Remotes Clients" and click "Submit".



**Figure 3-1** Server configuration of network dongle

## Section 4 Client Configuration

### 4.1 Preconditions

Clients authorized by the network dongle must be in the same network segment as the network dongle server.

### 4.2 Configuration Steps

1. Enter `http://localhost:1947` and press the key Enter.
2. Select "Configuration" from the list on the left and select the "Access to Remote License Managers" tab in the right interface, as shown in Figure 4-1.
3. Check the setting of "Allow Access to Remote Licenses", enter the IP address of network dongle server in the text box of "Remote License Search Parameters" and click "Submit".

Options

- Sentinel Keys
- Products
- Features
- Sessions
- Update/Attach
- Access Log
- Configuration**
- Diagnostics
- Help
- About

Configuration for Sentinel License Manager on Svr08C

Basic Settings Users **Access to Remote License Managers** Access from Remote Clients Detachable Licenses Network

Allow Access to Remote Licenses ☒ You may experience a delay of a few minutes before your changes take effect.

Broadcast Search for Remote Licenses ☐

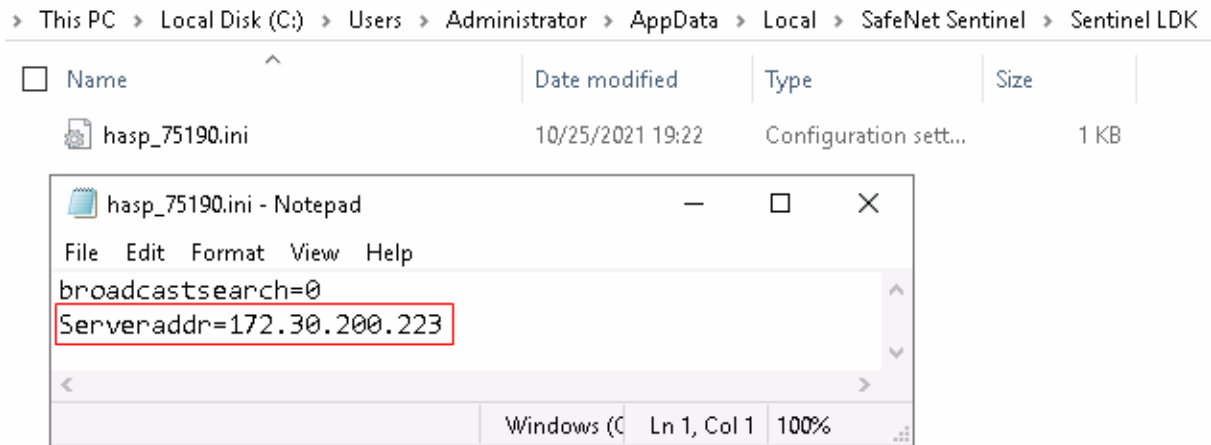
Aggressive Search for Remote Licenses ☐

Remote License Search Parameters

Submit Cancel Set Defaults

**Figure 4-1 Client configuration**

4. Find the configuration file `hasp_75190.ini` in the directory `[C:\Users\[Current User]\AppData\Local\SafeNet Sentinel\Sentinel LDK\]`, open it with Notepad software, and add the IP address of the server where the network dongle is located.  
Note: If there is no such configuration file, you need to create a new Notepad document and name it "`hasp_75190.ini`".



**Figure 4-2 Modify the IP address in the configuration file**

- Restart the computer, or restart the dongle service hasplms in the task manager.

## 4.3 Check of Configuration

Enter `http://localhost:1947`, press the key Enter and select "Sentinel Keys" from the list on the left, as shown in Figure 4-3, indicating that the client has been authorized by the network dongle.



**Figure 4-3 Client get network dongle**



## **Section 5 Disabling Network Dongle**

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If the client no longer needs authorization or uses the local physical dongle authorization instead, delete the IP address after "serveraddr=" in the configuration file hasp\_75190.ini.

Note: If there is no such configuration file, you need to create a new Notepad document and name it "hasp\_75190.ini", as shown in Figure 4-2, and then delete the IP address.

## Section 6 Revision

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*Table 6-1 Retrofit list of the version*

Document Version	Applicable Product Version	Remarks
V1.0 (20230830)	OMC High-performanceHMI V4.70.00.00	First release.