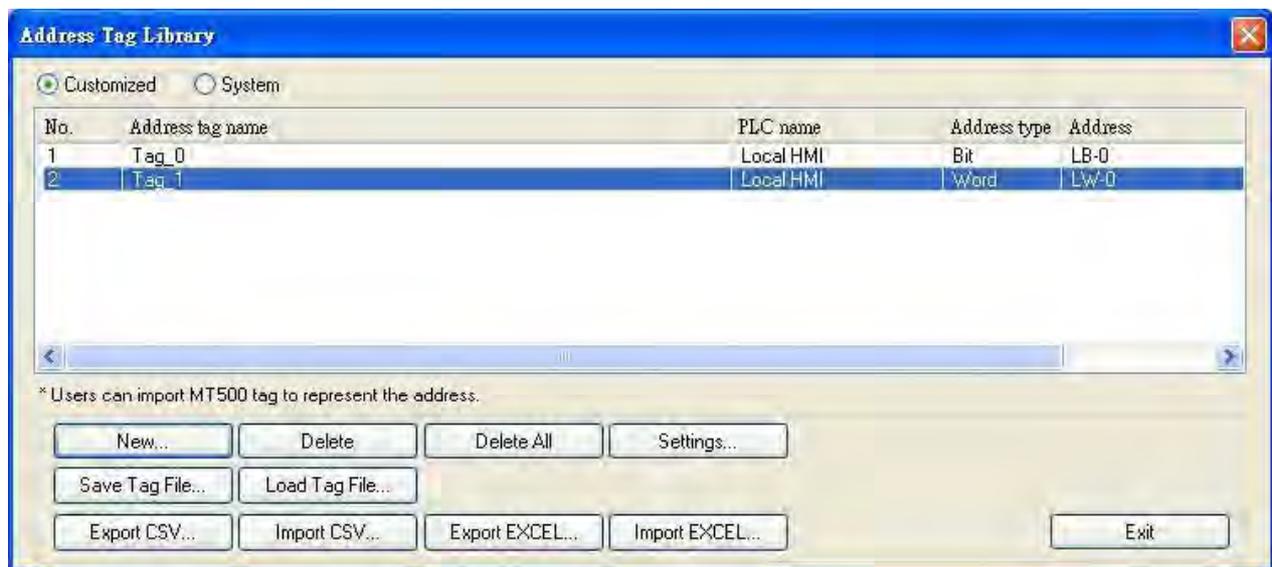


## Chapter 16 Address Tag Library

### 16.1 Creating Address Tag Library

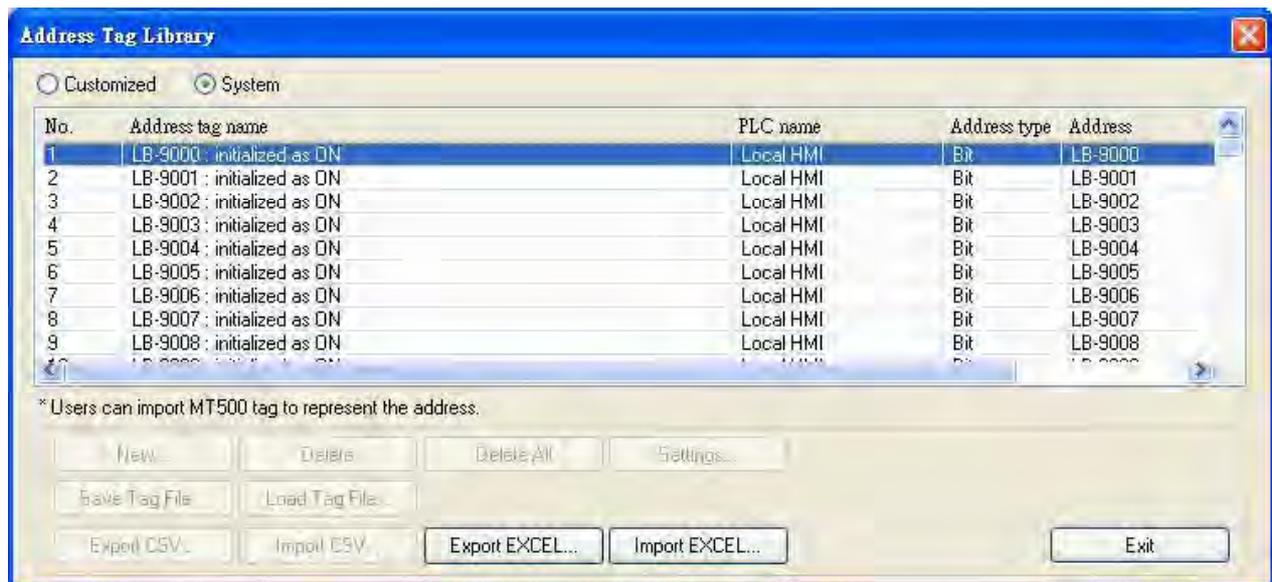
Users are generally recommended to define commonly-used addresses in the Address Tag Library when start to build a project. It not only avoids inputting addresses repeatedly but also expresses the function of an address more clearly. Click **[Address Tag Library Manager]** in toolbar to call up the **[Address Tag Library]** dialogue as below.



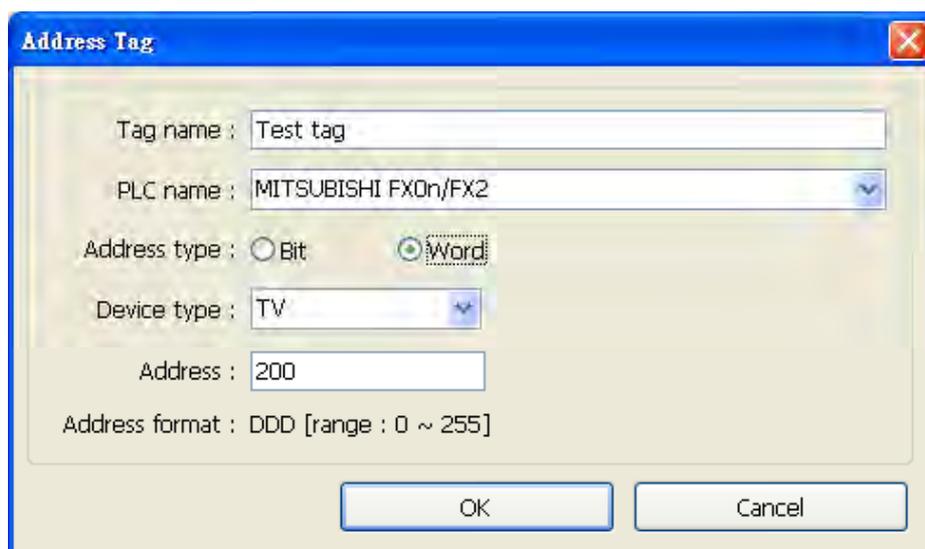
Setting	Description
<b>Customized</b>	Display the Address Tags defined by users.
<b>System</b>	Display the Address Tags reserved by system.
<b>New</b>	Add a new Address Tag.
<b>Delete</b>	Delete a selected Address Tag.
<b>Delete All</b>	Delete all current Address Tags.
<b>Settings</b>	Modify the selected Tag.
<b>Save Tag File</b>	Save all current Address Tags as .tgl file.
<b>Load Tag file</b>	Load existing .tgl file to Address Tag Library.
<b>Export CSV</b>	Export current Address Tag Library to the appointed space in CSV format.

<b>Import CSV</b>	Import the saved CSV file of Address Tag Library to current project.
<b>Export EXCEL</b>	Export current address tag library to the appointed space in XLS format.
<b>Import EXCEL</b>	Import the saved XLS file of address tag library to current project.

The picture below shows system reserved registers.



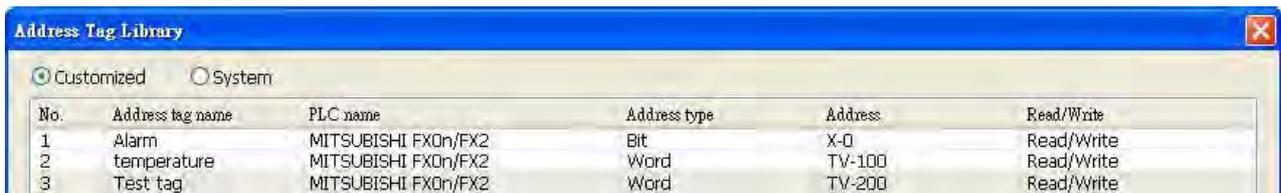
Before using the Address Tag Library, users need to add the content of the library first. Click **[New...]**, and the **[Address Tag]** dialogue appears as below:



Setting	Description
<b>Tag name</b>	The name of the Address Tag.

<b>PLC name</b>	The name of the PLC which is selected from the <b>[device list]</b> .
<b>Address type</b>	The type of Address; there are <b>[bit]</b> and <b>[word]</b> types available.
<b>Device type</b>	The type of the device; the types available are related to <b>[PLC name]</b> and <b>[Address type]</b> .
<b>Address</b>	The content of the address.

Click **[OK]** when the settings are done, and a new tag will be found in the **[Customized]** library as below.

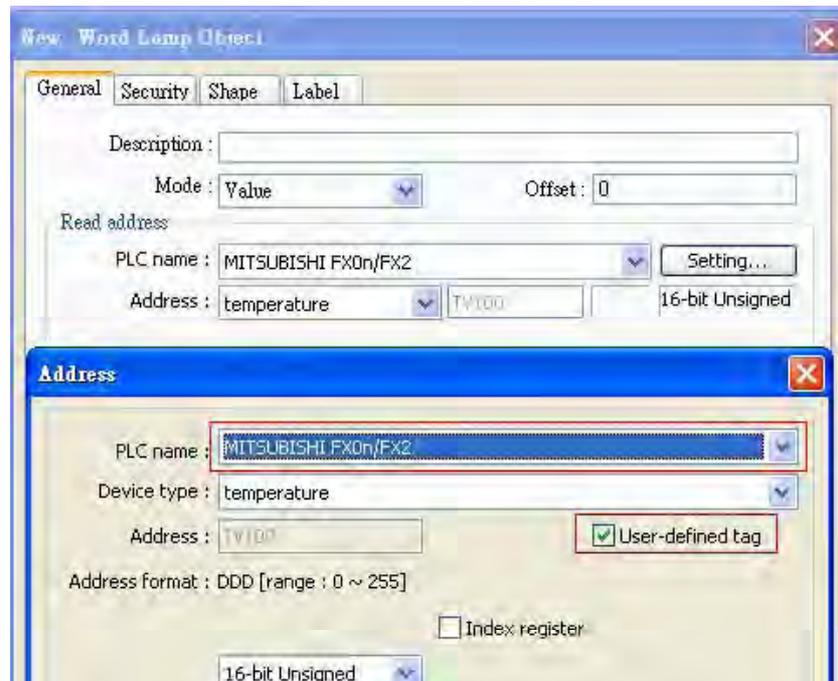


The screenshot shows a window titled "Address Tag Library" with a blue header and a close button. Below the header, there are two radio buttons: "Customized" (selected) and "System". Below the radio buttons is a table with the following data:

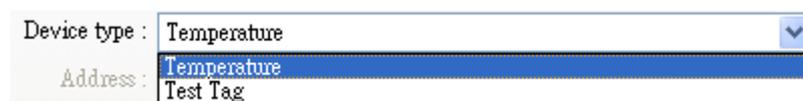
No.	Address tag name	PLC name	Address type	Address	Read/Write
1	Alarm	mitsubishi FX0n/FX2	Bit	X-0	Read/Write
2	temperature	mitsubishi FX0n/FX2	Word	TV-100	Read/Write
3	Test tag	mitsubishi FX0n/FX2	Word	TV-200	Read/Write

## 16.2 Using Address Tag Library

After creating the Address Tag Library, select the related PLC in **[General]** tab while adding a new object and click **[Setting...]**. Check **[User-defined tag]**, the tags can now be used as shown below.



There are some items in **[Device type]** for selecting.



When the settings are completed, the window tree will show the name of the Address Tag used for the object as below.

```

-----
TX_2
TX_3
FK_0
TX_4
NE_0 (LW-9134 (16bit) : language mode : -LW9134)
WL_0 (Temperature : MITSUBISHI FX0n-TV100)
11
12: WINDOW_012
13
    
```