

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.



Customized 🔿 S	ystem				
o. Address tag i	name		PLC name	Address	type Address
Tag_0			Local HMI	Bit	LB-0
Tag 1			Local HMI	Word	I LW-0
Jsets can import MT5)0 tag to represent the	address.			
Jsers can import MT5(New)0 tag to represent the Delete	address.	Settings		
Jsers can import MT50 New Save Tag File)0 tag to represent the Delete Load Tag File	address.	Settings		

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



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

The picture below shows system reserved registers.

) Custo	mized 💿 S	System					
Jo.	Address tag:	name		PLC name	Address type	Address	1
	LB-9000 : in	itialized as ON		Local HMI	BR	LB-9000	
2	LB-9001 : in	iitialized as ON		Local HMI	Bit	LB-9001	
}	LB-9002 : in	iitialized as ON		Local HMI	Bit	LB-9002	
ŧ.	LB-9003 : in	iitialized as ON		Local HMI	Bit	LB-9003	
i	LB-9004 : in	itialized as ON		Local HMI	Bit	LB-9004	
š	LB-9005 : in	itialized as ON		Local HMI	Bit	LB-9005	
7	LB-9006 : in	itialized as ON		Local HMI	Bit	LB-9006	
3	LB-9007 : in	iitialized as ON		Local HMI	Bit	LB-9007	
3	LB-9008 : in	itialized as ON		Local HMI	Bit	LB-9008	
íî.	10 0000 1	20 M 1 1 1041		1 17050	P 2	1.0.0000	120
Users c	an import MT5	00 tag to represent the	address.				
	New	Dele/e	Belete All	Sattings			
5av	le Tag File	Load Tag File					
E	and CSV	Immoil FSV		Import EXCEL	Î	Evit	

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:

	Address Tag	
	Tag name :	Test tag
	PLC name :	MITSUBISHI FX0n/FX2
	Address type :	⊙ Bit ⊙ Word
	Device type ;	TV
	Address :	200
	Address format :	DDD [range : 0 ~ 255]
		OK Cancel
Setting	Descrip	otion
Tag name	The nar	me of the Address Tag.



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

ddress Tag Library						
⊙ Cus	tomized O System	r .				
No.	Address tag name	PLC name	Address type	Address	Read/Write	
1	Alarm	MITSUBISHI FX0n/FX2	Bit	X-0	Read/Write	
2	temperature	MITSUBISHI FXOn/FX2	Word	TV-100	Read/Write	
3	Test tag	MITSUBISHI FXOn/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.

eneral Security S	Shape Label		
Description :			-
Mode :	Value 😽	Offset: 0	
Read address			
PLC name :	MITSUBISHI FX0n/FX2	Settin	ig
Address :	temperature 💉 TV:00	a 16-bit Ur	isigned
ldress			
Idress PLC name :	MITSUBISHI FXOn/FX2		9
PLC name : Device type :	MITSUBISHI FX0n/FX2/ temperature		3 2
Idress PLC name : Device type : Address :	MITSUBISHI FXOn/FX2 temperature	User-defined	tag
PLC name : Device type : Address : Address format :	MITSUBISHI FX0n/FX2 temperature TVT00 DDD [range : 0 ~ 255]	User-defined	tag
PLC name : Device type : Address : Address format :	MITSUBISHI FX0n/FX2 temperature TVTD0 DDD [range : 0 ~ 255]	User-defined	tag

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

Device type :	Temperature	~
· searbb à	Temperature	
AUUIESS .	Test Tag	

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

