

WEINTEK LABS., INC.

EasyAccess 2.0

Demo Project

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1. Overview and Operation

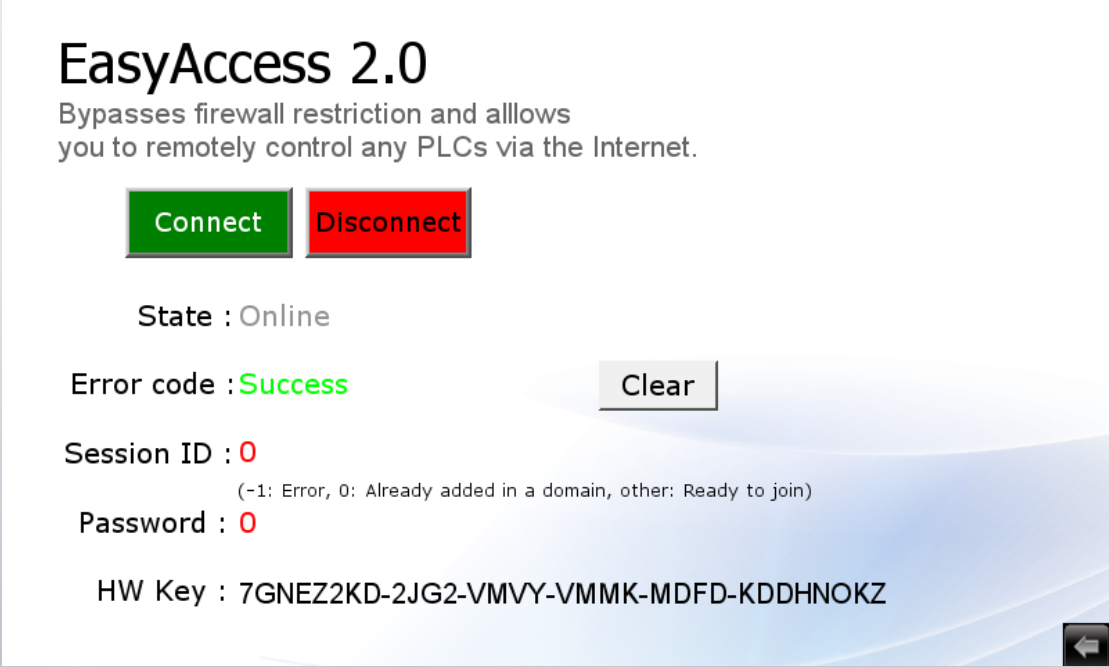
Overview

This demo project introduces how to set up the HMI to use EasyAccess 2.0 service. This service is supported by EasyBuilder Pro V4.10.04 or later versions.

Operation

Before activation: Click Connect button to connect to EasyAccess 2.0 in order to obtain Session ID and Password.

After activation: Click Connect button to make the HMI go Online. Click Disconnect button to go Offline.



The screenshot shows the EasyAccess 2.0 interface. At the top, the title 'EasyAccess 2.0' is displayed in a large, bold, black font. Below the title, a subtitle reads 'Bypasses firewall restriction and alllows you to remotely control any PLCs via the Internet.' (Note the typo 'alllows'). Below the subtitle are two buttons: a green 'Connect' button and a red 'Disconnect' button. Under these buttons, the 'State' is shown as 'Online'. Below the state, the 'Error code' is 'Success' in green text, with a 'Clear' button to its right. The 'Session ID' is '0' in red text, with a small note below it: '(-1: Error, 0: Already added in a domain, other: Ready to join)'. The 'Password' is '0' in red text. At the bottom, the 'HW Key' is '7GNEZ2KD-2JG2-VMVY-VMMK-MDFD-KDDHNOKZ'. A small black button with a white left-pointing arrow is in the bottom right corner.

EasyAccess 2.0
Bypasses firewall restriction and alllows you to remotely control any PLCs via the Internet.

Connect **Disconnect**

State : Online

Error code : **Success** **Clear**

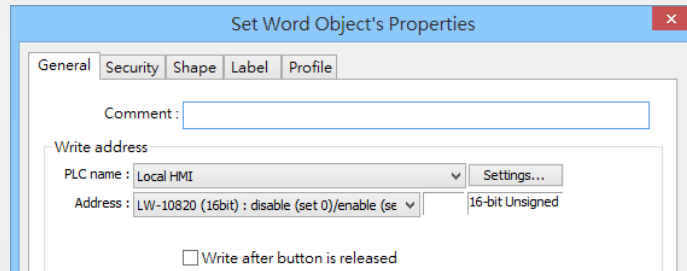
Session ID : **0**
(-1: Error, 0: Already added in a domain, other: Ready to join)

Password : **0**

HW Key : 7GNEZ2KD-2JG2-VMVY-VMMK-MDFD-KDDHNOKZ

2. Setting up the Screen

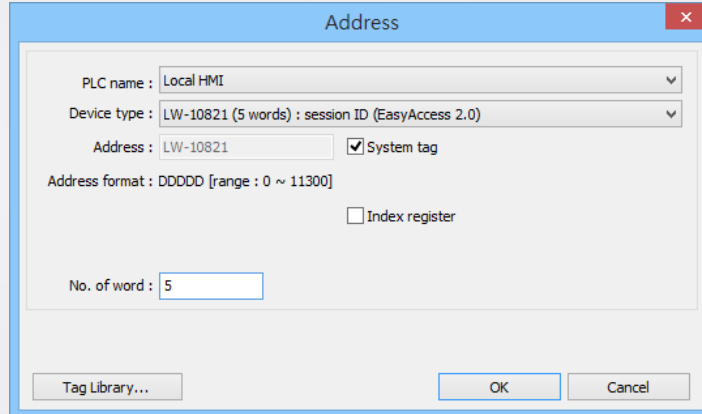
Step 1. Create Set Word objects; use system register LW-10820 for [Write address]. Write constant value 1 for the Connect button, and constant value 0 for the Disconnect button.



Step 2. Create Word Lamp objects; use system register LW-10828 and LW-10829 for [Read address], for Status and Error Code, respectively.

Status	Error Code
0: Disable	0: Success.
1: Offline	(Connection successful)
2: Online	1: Not activated.
3: Occupied	(EasyAccess 2.0 function is not activated on the HMI)
4: Download client update	2: Log-in timeout
	(Outbound connection is broken or the server is down)
	3: Certificate expired
	(License Key has expired. Please check with distributor.)
	4: HMI client not ready
	(Open and close client too frequently)
	5: HMI client will update
	(Update is downloaded and ready)
	6: HMI client does not exist
	(Client program does not exist in HMI memory)

Step 3. Create ASCII objects; use system register LW-10821 and LW-10826 for [Read address], for Session ID and Password, respectively. For Session ID, the [No. of word] must be set to 5, to accommodate 10 characters.



Step 4. Create an ASCII object; use system register LW-11210 for [Read address]. This object displays HW Key, please set [No. of words] to 20.

Step 5. Finally, fill in the labels for each state and textual descriptions.

Note: When creating a new project file, you can use default template window #76 (EasyAccess 2.0) and #77 (EasyAccess 2.0 Proxy) to configure related EasyAccess 2.0 settings.

3. Addresses

The addresses of key objects used in this demonstration are listed below.

Object	Address	Object ID	Description
Window 13			
Set Word	LW-10820	SW_0, SW_1	Button for Connect/Disconnect
Word Lamp	LW-10828	WL_0	Displays EasyAccess Status
Word Lamp	LW-10829	WL_1	Displays EasyAccess Error Code
Set Word	LW-10829	SW_2	Button for clearing Error Code display
ASCII	LW-10821	AD_0	Displays Session ID
ASCII	LW-10826	AD_1	Displays Password
ASCII	LW-11210	AD_3	Displays HW Key