Automation Builder V1.1 / V1.2 Software

## Enable Webserver Feature in AC500 PLCs

## 1 Introduction:

This application note shows you step-by-step to set up the Webserver feature in AC500 and AC500 eCo PLCs using Automation Builder software tool.

## 2 Webserver setup:

- 2.1 In Automation Builder, click Protocols (Protocols)
- 2.2 Right click then select Add object
- 2.3 Select Web Server in the Protocols menu



2.4 Enter number of connection in Web Server Settings as shown below.

Port = 80 ( default)

**Connections =2** (It takes 2 connections for each Webserver connection). For example, this PM556 ETH CPU will allow maximum of 3 Webserver sessions from different PCs over the internet connection to this PM556 ETH CPU.

Devices	<b>▼</b> ₽	×	Web_Server	×	
■ <sup>[]</sup> My First eCo PLC_Webserver			Web Server Settings		
🖻 🗐 PLC_AC500 (PM556-ETH)					
Application					
OBIO (8DI+6DO)					
IO_Bus			Web Server		
interfaces			Port	90	
🔍 💭 COM1_Online_Access (COM1 - Online Access)			POIL		
🔍 💭 COM2_None (COM2 - None)			Connections	2	(Max. allowed: 7)
Ethernet					
ETH1 (ETH1)					
Protocols (Protocols)					
Web_Server (Web Server)					



2.5 Save the project and double click AC500 to go back to IEC 61131-3 Application environment with these changes.



2.6 Click **Update** to update these changes to PLC project.



In IEC61131-3 (CoDeSys) application environment:

2.7 Click on Resource then select Target Settings



2.8 Click on Visualization tab and check these settings below then **OK** to save these changes.



cobesys				
	he program has chan	ged! Download th	e new program?	
	No.	Consel	Datality	

- 2.10 Click Online>Download to download the changes.
- 2.11 Click on **Create Boot Project** to save the Webserver pages into CPU flash memory. The browser such as Internet Explore will access this screen via Webserver connection over internet connection.

Simu	lation Mode
Com	munication Parameters
Sour	cecode download
Send	marked text to RemoteControl Master (e.g. as parameter)
Creat	te boot project
Write	file to PLC
Read	file from PLC
MotorStartPD Motor Stop P8	Hotor Funning
Motor running (s)	Counter 0
	WE8/MSU ZIP. 4982 of 969807 bytes

## 3 Windows Internet Explore setup:

In order for Webserver works correctly, Windows Internet Explore needs the latest Java software install with web browser. The recommend the web browser is Internet Explore 10 or later version.

- 3.1 In Internet Explore address window, type hppt://192.168.3.12/webvisu.htm. This is the IP address of this PM556 ETH CPU used in this example.
- 3.2 Click on Enter or de to activate the connection.





Click on Allow to accept this security warning 3.3

Security Warning						
<b>^</b>	Allow access to the following application from this web site?					
	Web Site: http://192.168.3.12					
	Application: WebVisualization Publisher: 3S-Smart Software Solutions GmbH					
	This web site is requesting access and control of the Java application shown above. Allow access only if you trust the web site and know that the application is intended to run on this site.					
	Do not show this again for this app and web site.					
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3.4 After a moment, the HMI screen will appear as shown below and you can control and monitor the HMI screen over internet connection.

Here is the live Webserver screen using Internet Explore with latest Java version





🕞 😔 🏉 http://192.168.3.10/Webvisu.ht	m	२ - ८ ≬	CoDeSys WebVisualization	×
File Edit View Favorites Tools Hel	р			
MOTOR CONTROL N MotorStartPB Motor Stop PB	Motor Running			
Motor running (s)	Counter			
T#1s730ms	2			

Congratulations! You just finish setup of Webserver connection for AC500 and eCo PLCs.

