

WEINTEK LABS., INC.

CODESYS System Time Setting HMI system time and reading HMI system time in PLC Program

Demo Project

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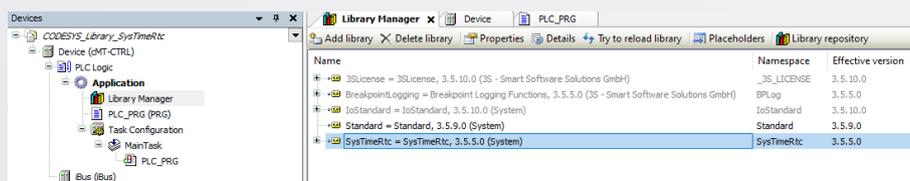
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1. Overview

This demo project explains how to change HMI system time and read the new HMI system time by using CODESYS SysRtcTime Library. The system time in EasyBuilder Pro can be written to the RTC in CODESYS after the controller is rebooted.

2. Adding Library

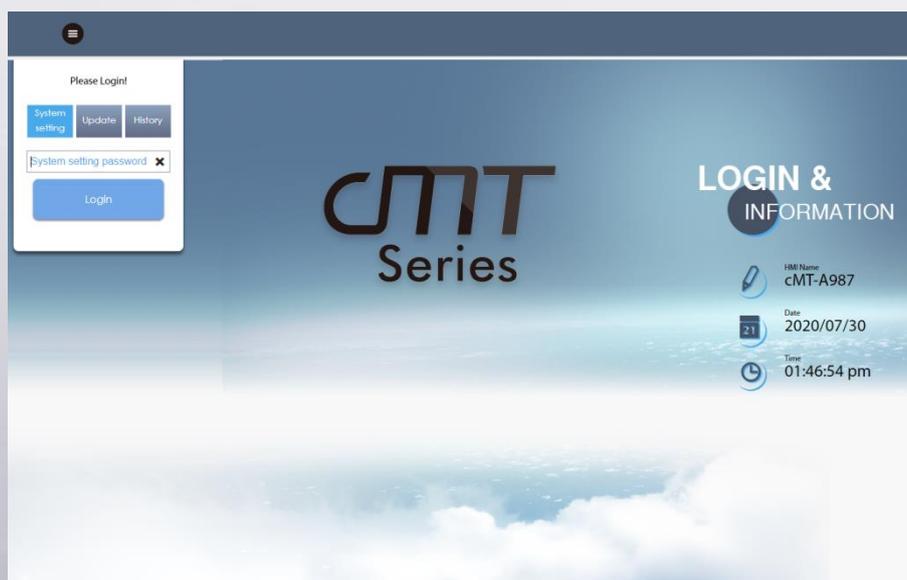
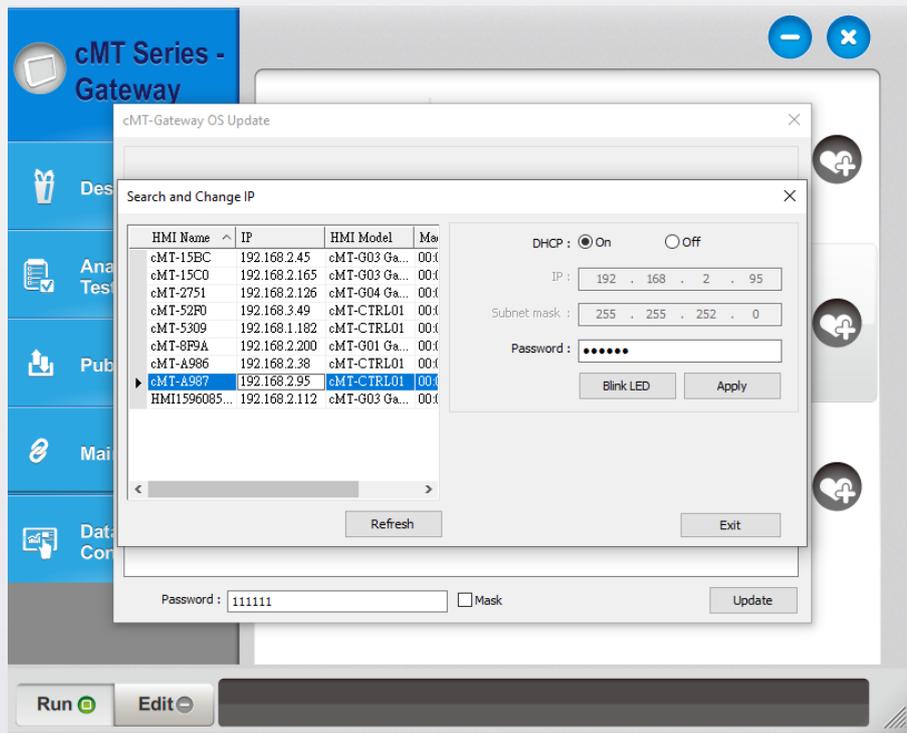
Step 1. Add SysRtcTime Library in CODESYS software.



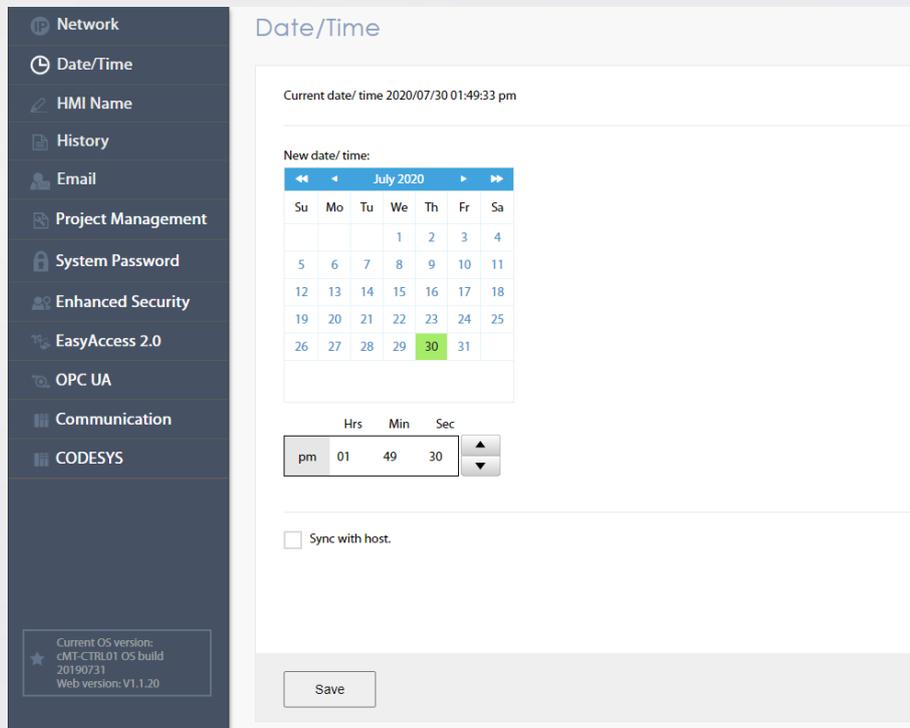
Step 2. Use the Function in the Library to get CODESYS system time.

3. Setting HMI Time

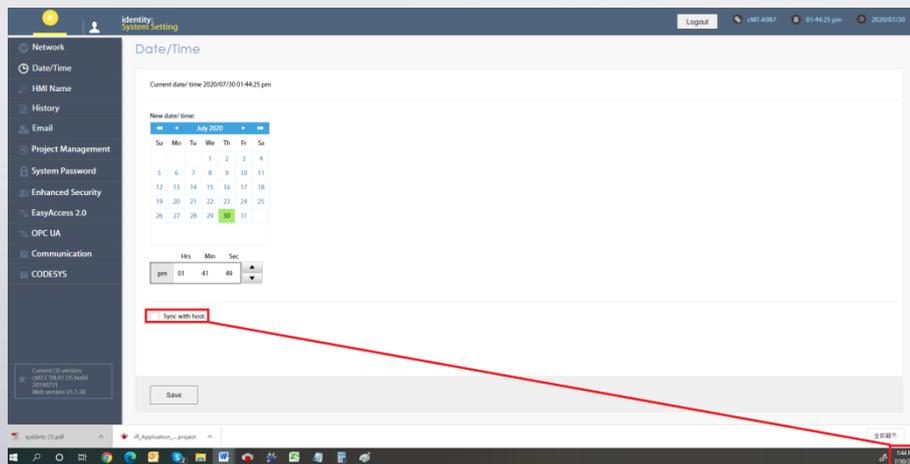
Step 1. Search for the IP address of cMT-CTRL01 (or cMT Series HMI) and go to the web interface and configure the parameters.



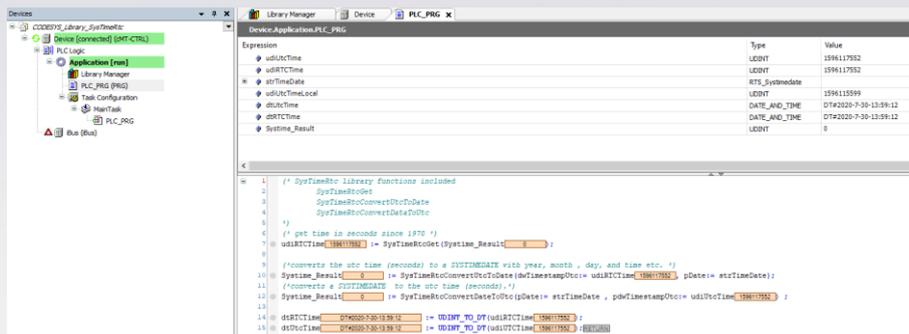
Step 2. Open [Date/Time] tab and set the date and the time and then reboot the unit.



✧ To synchronize with the computer time, select [Sync with host].



Step 3. Download the Demo Project to cMT-CTRL01 (or cMT Series HMI).



In the program using SysTimeRtcGet can get the system time in DWORD format.

SysTimeRtcConvertUtcToDate: Convert the system time to year, month, day, hour, minute, second, microsecond format.

SysTimeRtcConvertDateToUtc: Convert the system time to year, month, day, hour, minute, second, microsecond in DWORD format.

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