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1. Overview

CODESYS PLC can be run on cMT HMIs with a valid CODESYS Activation License. This guide walks through the required activation steps. For programming CODESYS project or installation, please refer to cMT+CODESYS and Remote I/O Quick Start Guide.

Note that after the HMI is activated, it cannot be cancelled.

2. Supported Devices

- 1. cMT3092X
- 2. cMT3152X
- 3. cMT3162X



3. Activation Steps

You can activate CODESYS feature on HMI or using HMI web server.

Activate on HMI

- **Step 1.** Obtain a CODESYS activation card with the license sticker. Make sure the serial number (starting with CN) on the card and sticker match.
- Step 2. Put the license sticker on the back of the target HMI.
- **Step 3.** Scratch off the silver cover on the activation code to reveal it.



Step 4. Connect the HMI to the Internet.

Step 5. On HMI, click start button to call up HMI system setting.

Machine type cMT309	90
Information HMI name cMT-E6	C8
General OS. version 201803	06
Ethernet (LAN2)	
IP address 192.168	.148.2
Input Method Subnet mask 255.255	.255.0
Gateway 0.0.0.0	
Reset options Mac address 00:0c:26	:0f:f6:68

Step 6.

Click

lock icon to unlock system settings.

Step 7. Enter your system password and click **Ok**. (Check installation manual for default password)

	G Setting	Info	rmation	
	1 Information	Login	cMT-E6C8	
	H General	System setting	20180306	
	Language Input Method	Update	192.168.148 2	
		•••••	0.0	
q	w e r	t y u	i o p	$\overline{\mathbf{X}}$
а	s d f	g h	j k I	←
仓	z x c	v b n	m , .	仓
&123			':-)	Ě

Step 8. Go to Network tab and make sure the HMI has a working network setting.Remember to click Ok to save. If there is a router in local network, HMI can automatically obtain the network setting.

Setting	Cancel E	thernet1 Ok
System setting	MAC address	00:0c:26:0f:f6:68
Information	Obtain an IP address automatically	
CODESYS	IP address	
General	Subnet mask	
Network	Gateway	
🕒 Time/Date	DNS	
🖉 HMI Name		
-		

Step 9. Go to CODESYS tab and enter your activation code from activation card. ClickActivate to activate and enable CODESYS feature.





Step 10. If activation succeeds, you will see the message "Please put on license sticker on the back of HMI and then reboot HMI." If you met problem, please refer to the last section "Activation Error Codes".









Step 12. After HMI starts, click start button to call up system information. You will see a new CODESYS tab.





Activate on HMI web server

- **Step 1.** Obtain a CODESYS activation card with the license sticker. Make sure the serial number (starting with CN) on the card and sticker match.
- **Step 2.** Put the license sticker on the back of the target HMI.
- **Step 3.** Scratch off the silver cover on the activation code to reveal it.

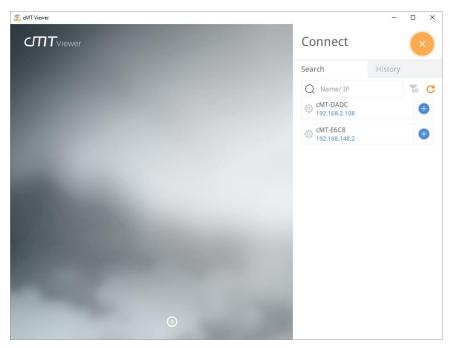


- Step 4. Connect the HMI to the Internet.
- **Step 5.** Find the HMI IP address. You have several choices.
 - (1) Open HMI system setting to check the IP address.

Information HMI name cMT-E6C8 If General OS. version 20180306 Image Ethernet (LAN2) Image Image Image Image Image Subnet mask 255.255.255.0 Gateway 0.0.0	€ _N Setting	Machine type	nformation cMT3090
Ethernet (LAN2) IP address 192.168.148.2 Input Method Subnet mask 255.255.255.0 Gateway 0.0.0	1 Information		
IP address 192.168.148.2 Input Method Subnet mask 255.255.255.0 Gateway 0.0.0	General	OS. version	20180306
Input Method Subnet mask 255.255.255.0 Gateway 0.0.0	Language		
Gateway 0.0.0.0			
Reset options Mac address 00:0c:26:0f:f6:68	- Input Method		
	 Reset options 	Mac address	00:0c:26:0f:f6:68

(2) Open cMT Viewer and search for the HMI.



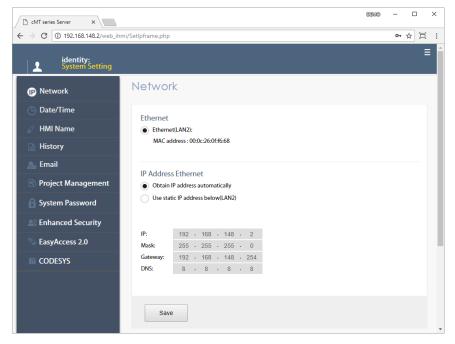


Step 6. Open your web browser and enter your HMI IP address. For example, HMI IP address is 192.168.0.211. Enter "http://192.168.0.211" in the address bar and hit enter. If you use cMT Viewer, you can click the setting icon.

Welcome to cMT series 5 ×	Band — 🗆 🗙
← → C (③ Not secure 192.168.148.2/web_ihmi/index.php	☆ <u>፲</u> :
•	English •
Please Login! System Update History System setting password Login Cogin Series	LOGIN & INFORMATION W CMT-E6C8 2018/03/19 10:16:45 am

- **Step 7.** Enter system password. (Check installation manual for default password)
- **Step 8.** Go to **Network** tab and make sure the HMI has a working network setting. Gateway and DNS must be set.





Step 9. Go to CODESYS tab and enter your activation code from activation card. ClickActivate to activate and enable CODESYS feature.

🕒 cMT series Server x				
← → C (192.168.148.2/web_it	nmi/CODESYS.php	아☆ 드 :		
<u> </u>	identity: Logout System Setting	- 28 💼 10:50:47 am 💿 2018/03/19		
Network	CODESYS			
Date/Time	Status Project update CODESYS update			
🖉 HMI Name				
History				
se Email	CODESYS Activation Code:			
🖹 Project Management				
System Password				
Security				
EasyAccess 2.0				
	Activate	Restore Purchase		

- **Step 10.** If activation succeeds, you will see the message "Please put on license sticker on the back of HMI and then reboot HMI." If you met problem, please refer to the last section "Activation Error Codes".
- Step 11. The activation is successful. Reboot HMI and you will notice the logo changes.



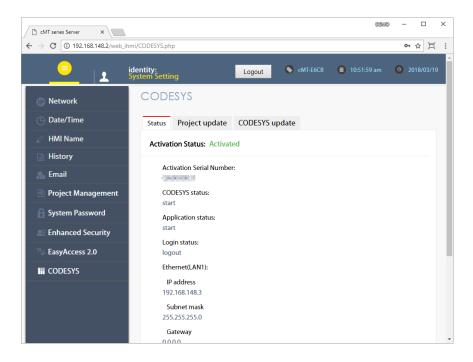


Step 12. After HMI starts, click start button to call up system information. You will see a new CODESYS tab.



Step 13. Open up HMI web server, you may also check the CODESYS tab. You are able to update CODESYS project and firmware now.







4. Activation Error Codes

- Error code 100: HMI does not have Internet connection or cannot connect to authorization server. Check if HMI has the correct date/time.
- Error code 103: The license has already been used.
- Error code 104: HMI has already been activated. Please try to use restore purchase.
- Error code 107: HMI has not been activated. Please use a correct activation code to activate.