

User Manual

# Activate CODESYS Feature on cMT/cMT X

This guide walks through the activation steps for CODESYS features on cMT/cMT X HMIs.

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## **Table of Contents**

1.	Overview	1
2.	Supported Devices	1
3.	Activation Steps	2
	Activate on HMI	2
	Activate on HMI web server	6
4.	Activation Error Codes	11



## 1. Overview

CODESYS PLC can be run on cMT/cMT X 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.

Notes:

- 1. After the HMI is activated, it cannot be cancelled.
- 2. PLC Web Browser object in EasyBuilder Pro cannot be used after CODESYS is activated on HMI.

1

## **2.** Supported Devices

- 1. cMT3072 with OS version 20180426 or later
- 2. cMT3090 with OS version 20180410 or later
- 3. cMT3151 with OS version 20180426 or later



## 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	cMT3090
Information	HMI name	cMT-E6C8
General	OS. version	20180306
Language	Ethernet (LAN2)	
	IP address	192.168.148.2
Input Method	Subnet mask	255.255.255.0
	Gateway	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)

	Setting	Info	rmation	
	Information	Login	CMT-66C8	
	II General	System setting	20180306	
	🕬 Language	Update	192.168.148 2	
		•••••	00	
q	w e r	t y u	i o p 🗵	]
а	s d f	g h	j k I 🔶	
企	z x c	v b n	m , . 企	
&123			':-)	

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.

<b>Setting</b>		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			
<b>-</b>			

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.

	Machine type	cMT3090
Information	HMI name	cMT-E6C8
General	OS. version	20180306
P Language	Ethernet (LAN2)	
0.0	IP address	192.168.148.2
🔤 Input Method	Subnet mask	255.255.255.0
	Gateway	0.0.0
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.



- **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.



CMT series Server X							
← → C 🛈 192.168.148.2/web_ihmi/Setlpframe.php ↔ 🛧 🖾 :							
identity: System Setting				≡	Î		
P Network	Networ	k			1		
Date/Time	Ethernet				1		
🖉 HMI Name							
History							
🏊 Email							
🖹 Project Management							
System Password	Use static IP address below(LAN2)						
Enhanced Security					1		
EasyAccess 2.0	IP: Mask:	192 . 168 . 148 . 2   255 . 255 . 255 . 0			l		
	Gateway:	192 · 168 · 148 · 254					
	DNS:	8 . 8 . 8 . 8					
Save							
					-		

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		Denio — 🗆 🗙
← → C ③ 192.168.148.2/web_i	nmi/CODESYS.php	~☆⊡:
<u> </u>	identity: Logout System Setting	a 10:50:47 am © 2018/03/19
Network	CODESYS	
Date/Time	Status Project update CODESYS update	
🖉 HMI Name	Activation Status: Not Activated	
History		
🏊 Email	CODESYS Activation Code:	
🖹 Project Management		
System Password		
Enhanced 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 99: DNS error. Please check DNS settings.

Error code 100: The HMI does not have Internet connection or is unable get response from the account server. Please also check if HMI's date/time is correct.

Error code 103: The activation code is either in use or not valid.

Error code 104: The HMI has already been activated. Please try to use restore purchase.

Error code 107: The HMI has not been activated. Please try to use a valid activation code to activate.

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