

# **cMT SVRX Series** User Manual

Your industrial control solutions source

Maple Systems, Inc. • 808 134th St. SW, Suite 120, Everett, WA 98204 • 425.745.3229

1010-1180 • REV 0.0 MapleSystems.com



#### **Table of Contents**

Chapter 1 - Network Wiring Diagram	4
cMT-SVRX LAN Ports	4
Chapter 2 - Web Interface	5
Feature Introduction	6
System > Info	6
Network > Ethernet	6
Project > Project Management	7
Project > Email	8
Project > Enhanced Security	8
Project > Recipe	9
Data > Data Log & Trend Display	9
Data > Event Log	
Data > Operation Log	11
Features > Webview Setting	11
Features > CODESYS	12
Features > FTP	14
Weincloud > EasyAccess2.0	15
Administration > System Password	15
Chapter 3 - How to Use WebView	16
How to login to Webview	16
Why won't Webview open?	
Chapter 4 - cMT-Viewer	
Typical Application Diagram	
cMT-Viewer App Interface	
Settings Menu	
Information tab	24



General tab	24
Language tab	25
Chapter 5 - Monitor Mode	29
Edit Menu	31
Chapter 6 - cMT-Viewer Limitations	35
Feature Limitation	35
Maximum Connect Count	35
Chapter 7 - cMT-SVRX Gestures Operation	37
On cMT Viewer APP or capacitive touch screen	37
Chapter 8 - OS Upgrade	39

Maple Systems

# **Chapter 1 - Network Wiring Diagram**

Connect a cMT-SVRX to a router by an Ethernet cable as the diagram shows below. The default IP address of LAN 1 is DHCP. The default IP address of LAN 2 is static IP 192.168.100.1. The IP addresses of LAN 1 and LAN 2 must be configured to different subnets, except for the cMT-SVRX which have been activated with a CODESYS license.



#### cMT-SVRX LAN Ports

The cMT-SVRX is equipped with two independent Ethernet ports which isolate the device network from the company/factory network. LAN1 is a WAN (Wide Area Network) port which is allowed to connect to a public network or another network via a gateway. LAN2 is a LAN (Local Area Network) port.

Maple Systems

# **Chapter 2 - Web Interface**

A cMT-SVRX's setting can also be accessed via a web browser. Before configuration, connect cMT-SVRX(LAN1) to a router via an Ethernet cable. Open a web browser (Edge, Chrome, or Firefox) and enter the IP address of the cMT-SVRX. For example, enter 192.168.1.15. Select an identity and enter its password.



The tabs of the web interface are displayed as shown. They are **System**, **Network**, **Project**, **Data**, **Features**, **Weincloud**, and **Administration**.

j System	~	Dashboard		
<b>聖</b> Network	~	Now Date	Up Time	HMI Name
Project	~	2023/05/01 12:07:53	54:23	cMT-93ED
🔚 Data	~			
Features	~			
C Weincloud	~	Web Version	OS Version	EA2.0 Version
Administration	~	V2.1.29	20220720	2.16.5

Maple Systems

## Feature Introduction

#### System > Info

**HMI Name** - Change the name of the cMT-SVRX to identify this HMI when retrieving historical data or loading a project on a PC. This saves time remembering the IP address of each cMT-SVRX.

Identification light - If clicking this button, the LED on the cMT-SVRX will blink.

Now within **Date/Time** - Synchronizes the HMI RTC with the PC RTC.

HMI Name:	Tim-cmt3092x					Ed	it
Date/Time:	© 202	0-08-31	1 15:42	2:27			
	2020	-08-31			15:42:2	27	
	« <		202	0 Au	gust		> >
	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	26	27	28	29	30	31	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	1	2	3	4	5

#### Network > Ethernet

Set the IP addresses of LAN 1 port and LAN 2 port. Choose **Automatic** or **Static** for each. If **Static** is chosen, enter IP address, sub mask, gateway IP, and DNS. The IP addresses of LAN 1 and LAN 2 must be on separate subnets.



LAN 1 (WAN)	L	AN 2	2 (LA	N)		Brid	ge Mod
Mac Address:	00:0c:26:3e:93:ed						
Configure IP:	Au	Itom	atic	C			
Address:	0	•	0	•	0	•	0
Netmask:	0		0		0		0
Gateway:	0		0		0	•	0
DNS:	0		0		0		0

#### Project > Project Management

**Restart Project** - Restarts cMT-SVRX and restores it to its initial state.

**Update Project** - Loads a project and recipes from the PC to cMT-SVRX.

Backup Project - Uploads a project from cMT-SVRX to the PC.

**USB/SD Update** - Loads a project via a USB drive plugged into the USB slot of cMT-SVRX. Select the \*.cxob file and click **Update**.

Project Manage	ement
Restart Project:	Restart C
Update Project:	Update 🗈
Backup Project:	Backup ↓
USB/SD Update:	Update 🛧



#### Project > Email

This page provides the setup of the SMTP server and email contact lists. For more information, refer to section 5.11 e-Mail in the EBPro user manual.

SMTP Contacts	Upload
* Host:	server@smtp.net
* Port:	- 25 +
* Username:	sup@weintekusa.com
* Password:	
* Confirm Password:	
Authentication:	
Authentication: Encryption:	• None O TLS O SSL
Authentication: Encryption: Sender Information	• None • TLS • SSL

# Project > Enhanced Security

(Objects authorized to operators in HMI project)

This page provides user passwords and security classes to prevent unauthorized operators from accessing objects that have the potential to cause damage or injury within your cMT-SVRX HMI project. For more information, refer to section 5.6.2 Enhanced Security Mode in the EBPro user manual.

ccou	unt	Import User Accounts														
dd Ao	ccount	Save														
Plea	ase click	[Save] button after editing data														
	Hide	Account	Password	А	в	С	D	Е	F	G	н	1	J	К	L	Action
		admin	*****	~	~	~	~	~	~	~	~	~	~	~	~	Edit
		user1	****	~												Edit Delete
		user2	*****	~	~											Edit Delete
		user3		~	~	~										Edit Delete
		user4	*****	~	~	~	~									Edit Delete
		user5	****	~	~	~	~	~								Edit
		user6	****	~	~	~	~	~	~							Edit Delete

## Project > Recipe

**Update** - Select a button to transfer recipe files from the PC to the cMT-SVRX.

**Backup** - Select a button to transfer recipe files from the cMT-SVRX to the PC.

Clear - It is used to clear recipe and database information stored in the cMT-SVRX.

e			
line		Action	
item	Update	Backup	Clear
Recipe Database	Update	Backup	Clear
RW	Update	Parlar	Class
RW_A	Update	Deckup	Clear

## Data > Data Log & Trend Display

This page displays data log information via a data spreadsheet or a trend chart. Data within each spreadsheet can be backed up individually by clicking **Export to Spreadsheet** or **Backup database**.

**Export to Spreadsheet** - This function generates a CSV file.

Backup database - This function generates a compressed file of the .db files.



a Log 8	k Trend Display			
ata Display	Trend Display			
bject:	log000			
				C Refresh   Option
# \$	Time ≑	Channel 1	Channel 2	Channel 3
82	③ 2020/09/01 12:12:27	-0.984808	0.646564	0.167008
81	③ 2020/09/01 12:12:26	-0.996195	0.836447	-0.0837078
80	③ 2020/09/01 12:12:25	-0.92388	0.998958	-0.37082
79	G 2020/09/01 12:12:24	-0.793353	1.07886	-0.6
79 78	© 2020/09/01 12:12:24 © 2020/09/01 12:12:23	-0.793353 -0.608761	1.07886	-0.6 -0.802957
79 78 77	<ul> <li>© 2020/09/01 12:12:24</li> <li>© 2020/09/01 12:12:23</li> <li>© 2020/09/01 12:12:22</li> </ul>	-0.793353 -0.608761 -0.34202	1.07896 1.09915 1.04616	-0.6 -0.802957 -0.994845



## Data > Event Log

This page displays a data table in which operators can easily see important event information recorded on the HMI.

ent Log							
Time column	#	Category \$	Event Message	Event trigger time 🌩	Return to normal time \$	Occurrence count	Elapsed ti Refrest
a 2020-08-04 to 2020-09-01	1	1	Machine Error II	· 2020/09/01 12:14:22	©	15	88
Category range(0-255)	2	1	Flow Speed Error !!	③ 2020/09/01 12:14:18	© 2020/09/01 12:14:26	6	48
0 255	3	1	Tank Error !!	· 2020/09/01 12:14:09	© 2020/09/01 12:14:19	10	95
Keywords	4	1	Machine Error II	· 2020/09/01 12:14:08	© 2020/09/01 12:14:15	14	88
Add terms	5	1	Machine Error !!	· 2020/09/01 12:13:54	© 2020/09/01 12:14:01	13	82
Select Language	6	1	Tank Error !!	· 2020/09/01 12:13:49	© 2020/09/01 12:13:59	9	86
Language1	7	1	Flow Speed Error II	· 2020/09/01 12:13:42	© 2020/09/01 12:13:50	5	40
	8	1	Machine Error !!	· 2020/09/01 12:13:40	· 2020/09/01 12:13:47	12	75
	9	1	Tank Error !!	· 2020/09/01 12:13:29	© 2020/09/01 12:13:39	8	77
	10	1	Machine Error !!	· 2020/09/01 12:13:26	© 2020/09/01 12:13:33	11	69
						Export excel	

# Data > Operation Log

This page allows you to back up operation log information recorded on the HMI.

Оре	ration Log	
<u>+</u>	Backup database	

#### Features > Webview Setting

Webview offers direct control over the HMI screen using a web browser.

**Set as homepage** - If enabled, Webview will be the home page of the web interface.

**Change password** - Set up a password to prevent unauthorized operators from accessing Webview.

**Webview** - Go to the Webview page to control the HMI screen remotely.



WebView Se	tting	WebView <b>w</b>
Enable:	D	
set as homepage		
Control User:	password free	
	Change password @	

If a password is configured for Webview, operators will have to enter the correct password.

← → C ▲ Not secure   192.168.1.19/app/login?redirect=%2Fapp%2Fdashboard		
Welcome to WebView. Login to continue.		
	o	©
	Control Mode	
	Password	(het
	Log in	

## Features > CODESYS

**Status** - If activated, this tab shows CODESYS network information and status information.



CODESYS	
Status Update	
Activation Serial Number:	
CODESYS status:	start
Application status:	stop
Login status:	logout
Ethernet(LAN1):	
IP address:	0.0.0.0
Subnet mask:	0.0.0.0
Gateway:	0.0.0.0
CODESYS version:	20200528
Enable CODESYS login:	Gateway

**Project update** (If activated) - Loads CODESYS PLC project from the PC to the cMT-SVRX. Navigate to the folder containing \*.app file and \*.crc file and choose them.

**CODESYS update** (If activated) - Upgrade CODESYS firmware from the PC to the cMT-SVRX. Navigate to the folder containing \*.bin file and choose it.



Status Update	
Project update	
Project.app & Project.crc :	Upload 🛧
CODESYS update	
firmware.bin :	Upload 🛨
*Note: Undating firmware	will also restart HMI

#### Features > FTP

**FTP Client can modify USB/SD data** - If enabled, historical data stored in USB drive/SD card can be modified via FTP (File Transfer Protocol).

**FTP port** - If needed, you can change the port number for the connection to the FTP server (HMI).



Maple Systems

#### Weincloud > EasyAccess2.0

EasyAccess 2.0 is a tool that allows users to access and control a cMT-SVRX remotely from anywhere in the world. cMT-SVRX-820 is NOT a pre-licensed model, so purchasing an activation card is necessary. cMT-SVRX-822 is a pre-licensed model. For more information, refer to the EasyAccess2.0 user manual or Weincloud help website <u>https://support.ihmi.net/</u>. You can also contact Maple Systems sales team for support at <u>https://maplesystems.com/contact-sales/</u>.

#### Administration > System Password

There are three different levels of password protection, User, Update Project, and System Setting. This page is used to change the passwords for operating a project via cMT viewer, loading a project to the HMI, accessing FTP server and so on. The default passwords of the three levels are 111111.

User - This level can operate cMT projects via cMT viewer.

**Update project** - This level can load and retrieve the HMI project and retrieve historical data, like data sampling and event log data. In addition, it can operate cMT projects via cMT viewer.

**System Setting** - This level has access to all system settings, load and retrieve the project, retrieve historical data, and operate cMT projects via cMT viewer. It is the highest security level.

History - FTP server access. The default password is 111111.

System Passwor	rd
Please select identity to	edit password.
	System Setting
Current password:	System Setting Update Project
New password:	History
Confirm new password:	
	Submit Reset

Page 15

Maple Systems

# **Chapter 3 - How to Use WebView**

Webview is used to monitor and control a cMT-SVRX on a web browser. It supports the following web browsers on a Windows PC, Chrome, FireFox, and Edge. Up to four users can access Webview simultaneously.

To use this feature, Webview must be enabled on the **Webview Setting**. You can set up password protection by clicking the **Change password** button. If password protection is not necessary for your application, check the **password free** button to disable password protection.

Enable: set as homepage Control User:  password free Change password @	ebView S	etting	WebView
Set as homepage       Control User:       Control User:       Change password @	nable:	•	
	Set as homepage	password free Change password @	

If **Set as homepage** is enabled on the **Webview Setting** tab, Webview will be the home page of the web interface.

#### How to login to Webview

- 1. Open a web browser and enter HMI's IP address.
- 2. Enter the correct password.





3. The HMI screen will be displayed on the web browser. Use the "square" located in the bottom right corner to scroll around the screen when zoom level exceeds 100%.



The toolbar located in the top left corner contains several menus.





The first group allows you to enable or disable the zoom function. When you select the "100" icon, you can change the zoom level of the screen.



The second group allows you to move the "square" to the preferred location. This group of tools will be accessible when you select the "100" icon.



The third group allows you to navigate the system dashboard by clicking the "Gear" button. Clicking the "Exit" button will log out Webview.



#### Why won't Webview open?

- Webview is not enabled on Webview Setting.
- The web browser you're using is not supported by Webview.
- There are already four users accessing Webview simultaneously.

Maple Systems

# **Chapter 4 - cMT-Viewer**

cMT-Viewer is a free client application, which can remotely access the screen of the cMT-SVRX located on the LAN (Local Area Network) via Wi-Fi connectivity or Ethernet cable connection. To use cMT-Viewer you need to download and install the cMT-Viewer App on a mobile devices or PC. When the cMT-Viewer App runs on a device and connects to the cMT-SVRX, only data is exchanged between the device and the cMT-SVRX. Three client devices can remotely view and control the project of a cMT-SVRX simultaneously by default.

Supported OS	Where to download	Compatibility
Android phones or tablets	Google Play store	V4.1 or greater
iOS devices	App Store	V6 or greater
Windows PC	Maple Systems official website (Stand-alone App. or EBPro)	Windows 7 or Windows 10

**Note:** *cMT-Viewer is installed with the EBPro package on a PC. To find it, launch the Utility Manager > Select cMT Series model > Maintenance tab > cMT-Viewer.* 



# Typical Application Diagram



## cMT-Viewer App Interface

Some operation options of the cMT-Viewer App opened on different operating systems may vary. This document discusses how to operate the cMT-Viewer App running on a PC. First, launch cMT-Viewer App.





**Note:** In this demonstration, version 2.6.38 of cMT-Viewer is used. Edit, Auto Play, and Page Indicator icons are only present when "Monitor Mode" functionality is enabled in the Settings page.

**Connect Menu** - Click the Connect button and search for cMT-SVRXs in the **Search** tab. The available cMT-SVRXs will be shown as below when they exist on your local network. Tap an Add icon on the desired cMT-SVRX, and it will bring up a window requiring a password.





After that, the corresponding project will be loaded. If you want to go back to Connect menu, click on the Start (Home) button at the upper left corner.



Add a second project to the cMT-viewer App to switch and view different projects. The small pictures of the images as shown below are images of the cMT-SVRX projects before leaving the projects.

# Maple Systems



On History tab, you can connect the recently accessed projects. If the cMT-SVRXs are configured to DHCP, the history records may not be able anymore since the IP addresses are dynamic. Click "clear" button to delete history records if needed. The "gear" buttons nearby each cMT-SVRX will open its web interface, allowing you to change the settings of the cMT-SVRX.

# Connect

Search



Ð

Ð

#### දරා cMT-9956 192.168.1.100

දරු cMT-10D1

192.168.1.143

Maple Systems

## Settings Menu

#### Information tab

Displays the current version of the cMT-Viewer application.

Settings		
Information	App. version	2.6.38
General Language	Copyright 2006-2016 W	eintek Labs., Inc. All rights reserved.
more settings		

#### General tab

**Change password** - Allows users to change the password of "more settings" at the bottom left corner.

**Display datetime bar** - Determines if the time bar will be displayed at the top of cMT-Viewer application.

**Adjust cMT Viewer to windows size** - Adjusts cMT-Viewer to fit the window when users maximize the window of cMT Viewer App.

**Portrait mode** - Allows you to switch cMT Viewer to Portrait mode.

# cMT SVRX Series User Manual



Settings		
Change password	٩	
Display datetime bar	III off	
Adjust cMT Viewer to windows size	on III	
Portrait mode	III off	
	Settings         Change password         Display datetime bar         Adjust cMT Viewer to windows size         Portrait mode	

#### Language tab

Select a language for cMT-Viewer menus. The language selected on the project of the cMT-SVRX won't be changed by this setting.

Settings		
Information	English	한국어
General	Français	Deutsch
Language	Italian	日本語
	Español	Język polski
	Русский	
	简体中文	
	繁體中文	
nore settings		

To enable Monitor Mode and use Password Protection functionalities, click on "more settings" icon and log in with the password set on "Change password." The default password is 111111. There are more options available on the **General** tab and the **Password Protection** tab.

Settings		
Information	Change password	٩
General	Monitor mode	on III
Language	Restore previous connections	on III
Password Protection	Touch sounds	III off
	Display datetime bar	III off
	Adjust cMT Viewer to windows size	on III
	Portrait mode	III off
	Show Start button	on III
<b>G</b> more settings		

**Monitor mode** - Allows you to display multiple projects on cMT-Viewer and show important real-time data for the projects of each cMT-SVRXs.

Show Start button - If disabled, the "Home" icon on the project will be hidden.



**Password Protection** - Accessing the protected actions will require a password if actions are selected below. Specify a password on **Change password** of this page.

• **Open Project**: The action to connect to cMT-SVRX and load its project.



- **Close Project**: The action to close projects on cMT-Viewer.
- Server Settings: The action to go to web interface of cMT-SVRXs.
- **Clear History**: The action to clear recently accessed projects on the History tab of the Connect menu.

	Settings
Information General Language	Change password
Password Protection	Close project/Adjust placement Server settings Clean history
more settings	

When selecting actions, the Password Protect icon will be present.



In Password Protection mode, protected actions are locked. To access them, click on the Password Protect icon and enter the corresponding password.



Protected actions are accessible to users with knowledge of assigned password. There is a countdown timer displayed as shown below. When the time runs out, the Password Protection mode will be activated.



Maple Systems

# **Chapter 5 - Monitor Mode**

The small images of the cMT-SVRX project as shown below will be updated automatically, so users will see the latest data without entering each cMT-SVRX project.

Click on the Auto Play button. cMT-Viewer will automatically go to the next page.



To pause Auto Play mode, click the Pause button highlighted in red.

To leave Auto Play mode, click the Stop button highlighted in orange.



When clicking on the Device Information button, the names of each cMT-SVRX, as well as their IP address, will be displayed as shown below. Tap the "Gear" (Setup) buttons to go to the web interface of each cMT-SVRX.



Click the Edit button to configure the page layout.

# Maple Systems



## Edit Menu

**Page** - Click the Add button to create a new page or delete the current page with the Delete button. Up to 9 pages can be created in each instance of cMT-Viewer.

**Move the current page** - Switch to the first page, the previous page, the next page, or the last page.

**Layout** - Set up the maximum number of projects in each page. It provides 3x3(9) format and 5x4(20) format.

**AutoPlay** - Set up the time interval for Auto Play mode to go to the next page after the given time interval.





**Note:** To show real-time data for the project of a cMT-SVRX like below, you must enable Monitor Mode in EBPro and create a screen for visualization. Here are steps to configure.



- 1. Launch EBPro software v6.01.01 or greater.
- 2. Create a project of cMT-SVRX.
- 3. Go to the **Home** tab > **System Parameters**.
- 4. In the System Parameters, click on General tab.

Maple Systems

5. Enable Monitor Mode checkbox. This option is turned off by default.

Extended Memory Ce		Cellular Data Network	Time Sync./DST	e-Mail	Recipe Database		
Device	Mode	General	System Setting	Remote	Security		
Options	ast display n	node when change windo	w	☑ RW_A enable	ed		
Windows							
Startup window no. : Common window :		0.: 10. WINDOW_010	10. WINDOW_010 ~				
			Above base window 🗸 🗸				
Com Screen saver	ımon windo	W: Above base window	~				
Com Screen saver	nmon windo Screen save	<ul> <li>Above base window</li> <li>ar: 25</li> </ul>	v minute(s)				
Com Screen saver Save	nmon windo Screen save er window ne	er : 25 80. Screen Saver	✓ minute(s)		~		
Com Screen saver Save Monitor mode	Screen save	er : 25 25 25 25 26. : 80. Screen Saver	v minute(s)		~		

6. Close **System Parameters** settings. Open window no.3, titled Monitor Mode.



 Place Text object, Bit Lamp object, Word Lamp object, Numeric Display object, ASCII Display object, Bar Graph object or Alarm Display object to show up-to-date data on this screen, so you can see the data shown and updated on the cMT-Viewer App while in monitor mode.





8. Download this project to a cMT-SVRX.

Maple Systems

# **Chapter 6 - cMT-Viewer Limitations**

#### **Feature Limitation**

Some features do not work on a cMT Viewer client (PC, iOS, Android, cMT-iV5), even if they work on the local cMT HMI. Take this into consideration when programming projects.

Features (Objects) that do not work remotely on cMT Viewer App:

- File Browser
- Media Player
- Video In: USB Camera
- Video In: IP Camera
- Video In: Video Input (analog)
- Picture View
- PDF Reader
- VNC Viewer
- Selected features of Function Key: Screen hardcopy, Import user data/USB Security Key
- Selected features of PLC Control
  - Screen hardcopy: Files are saved in the external drive on HMI
  - o Backlight: Backlight control of HMI screen
- Selected features of Operation Log
  - Operation Log printing: Logs are saved in the external drive on HMI

Above objects won't be displayed on a cMT Viewer App but can be accessed via a VNC client.

## Maximum Connect Count

Three cMT-Viewer clients are allowed to remotely view and control the project of a cMT-SVRX simultaneously. When the fourth cMT-Viewer client connects to the cMT-SVRX, the warning message as shown below will pop up and reject the connection.





The maximum capacity can be adjusted in EBPro software. Here are the steps.

- 1. Launch EBPro v6.01.01 or greater.
- 2. Go to Home tab > System Parameters.
- 3. Click on **Remote** tab.
- 4. Within cMT-Viewer, set up a number of cMT-Viewer max connections. Up to 10 cMT-Viewer clients are allowed to connect to one cMT-SVRX.

**Warning:** Allowing several cMT-Viewer connections up to 4 or over will affect HMI performance. Take this into consideration when programming projects.

Extended Memory		Cellular Data Network	Time Sync./DST	e-Mail	Recipe Database
Device	Model	General	System Setting	Remote	Security
Prohibit rer	note HMI conr	necting to this machine			
Prohibit pa	ssword remote	-read operation (or set LB9	053 on)		
Prohibit pa	ssword remote	-write operation (or set LBS	9054 on)		
VINC server					
Password f	ee				
Password fr	rom project				
Monitor mo	ode				
EasyAccess serv	er				
			Location of EasyAccess 2	0 server : Global	-
Diagnoser					
Enable					
:MT viewer					

Maple Systems

# **Chapter 7 - cMT-SVRX Gestures Operation**

Tap: This is the most common gesture. Briefly touch HMI screen with fingertip.

Drag: Move fingertip over HMI screen without losing contact.

Press: Touch HMI screen for extended period.

Pinch: Touch HMI screen with two fingers and bring them closer together.

**Spread:** Touch HMI screen with two fingers and move them apart.

#### On cMT Viewer APP or capacitive touch screen

Gestures	Supported Objects (Features)
Тар	All "Input" objects <sup>1</sup>
Drag	Data log: Trend Display, History Data Display Event log: Event Display, Event Bar Chart(Gantt) Operation log: Operation Log View Recipe: Recipe View SQL: SQL Query Result Viewer Others: Option-List, Data Block Display
Press	This gesture can be configured on the property of the object in HMI program if needed.
Pinch	Data log: Trend Display
Spread	Data log: Trend Display

<sup>1</sup>Input objects refers to objects that allow operators to open a window as well as pop-up window, press a button to turn bit ON/OFF, or enter a value to a word register.

Maple Systems

**Note:** *cMT-SVRX doesn't support page switching by drag and flick gestures. For more information about Press, refer to section 10.5 Object Security Settings in the EBPro user manual and see "Min. press time* (*Sec*)."

Maple Systems

# **Chapter 8 - OS Upgrade**

This section shows you how to update the OS image of a cMT-SVRX.

- 1. Copy the MTfirmware.bin file to root folder of a micro SD card.
- 2. Flip DIP Switch 2 of the cMT-SVRX to ON position.



- To monitor the update progress, run HyperTerminal software on your PC and set the parameters to 115200, 8, N, 1. Connect your computer with the cMT-SVRX via COM1 RS-232 port.
- 4. Insert the micro SD card to cMT-SVRX and reboot to update the OS image. The update succeeds when HyperTerminal displays "Starting Kernel" about two minutes after reboot.
- Power off the cMT-SVRX and then flip DIP Switch 2 of the cMT-SVRX back to OFF position.

# Your industrial control solutions source www.maplesystems.com

Maple Systems, Inc. • 808 134th St. SW, Suite 120, Everett, WA 98204 • 425.745.3229