

Appendix A.

Comparison of HMI Software Features

- eMT Series: eMT3070B, eMT3105P, eMT3120A, eMT3150A
- cMT Series: cMT-SVR-100, cMT-SVR-102, cMT-SVR-200, cMT-SVR-202, cMT-iV5, cMT3151, cMT3090, cMT3071, cMT3072, cMT3103, cMT-HDM, cMT-FHD
- cMT Series-Gateway: cMT-G01, cMT-G02, cMT-G03, cMT-G04
- mTV Series: mTV-100
- iE Series: MT8050iE, MT8053iE, MT6070iE, MT6071iE, MT8070iE, MT8071iE, MT8073iE, MT8100iE, MT8101iE, MT8102iE, MT8103iE
- iER Series: MT8070iER1
- XE Series: MT8090XE, MT8091XE, MT8092XE, MT8121XE, MT8150XE
- iP Series: MT6051iP, MT8051iP, MT6071iP, MT8071iP, MT6103iP, MT8102iP

Please note that the table below is for reference only and may not include all features. Some features are version-dependent, so please confirm again by cross-checking with the software or consulting Weintek service when in doubt.

iP/iE/eMT/mTV/XE Series

Category	Model	new iP	iE	eMT	mTV	XE	Note
	Function						
EasyBuilder	History size limit	16MB	16MB	64MB	64MB	64/120MB*	1
	Project size limit	22.5MB	22.5MB	64MB	64MB	64MB	
	USB Cable Download	6051iP 6071iP 6103iP	6070iE 6071iE	Y	N/A	8121XE 8151XE	
	USB Disk Download	Y	Y	Y	Y	Y	
Function	3G/4G Dongle	N/A	N/A	N/A	N/A	N/A	2
	Audio (cMT Viewer)	N/A	N/A	N/A	N/A	N/A	
	Control Token	N/A	N/A	N/A	N/A	N/A	

Comparison of HMI Software Features

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Category	Model	new iP	iE	eMT	mTV	XE	Note
	Function						
	e-Mail	N/A	Y	Y	Y	Y	
	Enhanced Security Mode	N/A	Y	Y	Y	Y	
	Ethernet Printer	N/A	N/A	N/A	N/A	N/A	
	Recipe Database	N/A	Y	Y	Y	Y	
	String Table	N/A	Y	Y	Y	Y	
	Time Synchronization	N/A	Y	Y	Y	Y	
	USB Tethering	N/A	Y	Y	Y	Y	3
	User-defined Startup Screen	Y	Y	Y	Y	Y	
	VNC Server	N/A	Y	Y	Y	Y	4
	Web Streaming	N/A	N/A	Y	Y	Y	5
Hardware	Audio Output	N/A	N/A	eMT3120 eMT3150	via HDMI	N/A	
	CAN Bus	N/A	N/A	Y	N/A	8091XE 8092XE	
	Wi-Fi	N/A	8103iE	N/A	N/A	N/A	
Object	Action Trigger	N/A	N/A	N/A	N/A	N/A	
	Barcode Scanner (Android Camera)	N/A	N/A	N/A	N/A	N/A	6
	Combo Button	N/A	Y	Y	Y	Y	
	Date/Time	Y	Y	Y	Y	Y	
	Dynamic Drawing	N/A	Y	Y	Y	Y	
	Dynamic Scale	N/A	Y	Y	Y	Y	
	File Browser	N/A	Y	Y	Y	Y	
	Flow Block	N/A	Y	Y	Y	Y	
	Media Player	N/A	N/A	eMT3105 eMT3121 eMT3150	N/A	Y	7
	PDF Reader	N/A	N/A	N/A	N/A	N/A	
	Picture Viewer	N/A	Y	Y	Y	Y	
	Pie Chart	N/A	Y	Y	Y	Y	
	Recipe Import/Export	N/A	Y	Y	Y	Y	
	Recipe View	N/A	Y	Y	Y	Y	
	Table	N/A	Y	Y	Y	Y	

Comparison of HMI Software Features

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Category	Model	new iP	iE	eMT	mTV	XE	Note
	Function						
	Video In - IP Camera	N/A	N/A	Y	N/A	Y	8
	Video In - USB Camera	N/A	N/A	Y	Y	Y	
	Video In - Video Input	N/A	N/A	eMT3121 eMT3150	N/A	N/A	
	VNC Viewer	N/A	Y	Y	Y	Y	9
Object - IIoT/Energy	Demand Display	N/A	N/A	N/A	N/A	N/A	
	Demand Setting	N/A	N/A	N/A	N/A	N/A	
	MQTT	N/A	Y	Y	Y	Y	
	MQTT - AWS IoT	N/A	N/A	N/A	N/A	N/A	
	OPC UA Client	N/A	Y	Y	Y	Y	
	OPC UA Server	N/A	N/A	N/A	N/A	N/A	
Object- Data/History	Circular Trend Display	N/A	Y	Y	Y	Y	
	Database Server	N/A	N/A	N/A	N/A	N/A	
	Event Bar Chart	N/A	N/A	N/A	N/A	N/A	
	Operation Log Settings	N/A	Y	Y	Y	Y	
	SQL Query	N/A	N/A	N/A	N/A	N/A	
Other	CODESYS	N/A	N/A	N/A	N/A	N/A	
Utility	EasyAccess 1.0	Y	Y	Y	Y	Y	
	EasyAccess 2.0	N/A	Y	Y	Y	Y	
	EasyAccess 2.0 Built-in License	N/A	8053iE 8073iE 8103iE	N/A	N/A	8092XE	
	EasyDiagnoser	Y	Y	Y	Y	Y	
	EasyLauncher	N/A	N/A	N/A	N/A	N/A	
	EasyPrinter	Y	Y	Y	Y	Y	
	EasySimulator	Y	Y	Y	Y	Y	
	EasySystemSetting	Y	Y	Y	Y	Y	10
	EasyWatch	Y	Y	Y	Y	Y	

cMT Series

Category	Function	Model		cMT-SVR	cMT3071 cMT3072	cMT3090	cMT3103	cMT3151	cMT-HDM cMT-FHD	cMT-G01 cMT-G02 cMT-G03 cMT-G04	Note
EasyBuilder	History size limit		*	*	*	*	*	*	*	*	1
	Project size limit		32MB	64MB	64MB	64MB	64MB	64MB	64MB	32MB	
	USB Cable Download		N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A	
	USB Disk Download		N/A	Y	Y	Y	Y	Y	Y	N/A	
Function	3G/4G Dongle		Y	Y	Y	Y	Y	Y	N/A	N/A	2
	Audio (cMT Viewer)		Y	Y	Y	Y	Y	Y	Y	N/A	
	Control Token		Y	Y	Y	Y	Y	Y	Y	N/A	
	e-Mail		Y	Y	Y	Y	Y	Y	Y	Y	
	Enhanced Security Mode		Y	Y	Y	Y	Y	Y	Y	Y	
	Ethernet Printer		N/A	Y	Y	Y	Y	Y	Y	N/A	
	Recipe Database		Y	Y	Y	Y	Y	Y	Y	N/A	
	String Table		Y	Y	Y	Y	Y	Y	Y	N/A	
	Time Synchronization		Y	Y	Y	Y	Y	Y	Y	Y	
	USB Tethering		Y	Y	Y	Y	Y	Y	Y	N/A	3
	User-defined Startup Screen		N/A	Y	Y	Y	Y	Y	Y	N/A	
	VNC Server		N/A	Y	Y	Y	Y	Y	Y	N/A	4
	Web Streaming		Y	Y	Y	Y	Y	Y	Y	N/A	5
Hardware	Audio Output		N/A	N/A	Y	N/A	Y	Y	via HDMI	N/A	
	CAN Bus		N/A	Y	Y	Y	Y	Y	N/A	N/A	
	Wi-Fi		cMT-SVR-200/202	N/A	N/A	Y	N/A	N/A	N/A	cMT-G02	
Object	Action Trigger		Y	Y	Y	Y	Y	Y	Y	N/A	
	Barcode Scanner (Android Camera)		Y	Y	Y	Y	Y	Y	Y	N/A	6
	Combo Button		Y	Y	Y	Y	Y	Y	Y	N/A	
	Date/Time		Y	Y	Y	Y	Y	Y	Y	N/A	
	Dynamic Drawing		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Dynamic Scale		Y	Y	Y	Y	Y	Y	Y	N/A	
	File Browser		N/A	Y	Y	Y	Y	Y	Y	N/A	

Comparison of HMI Software Features

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Category	Function	Model	cMT-SVR	cMT3071 cMT3072	cMT3090	cMT3103	cMT3151	cMT-HDM cMT-FHD	cMT-G01 cMT-G02 cMT-G03 cMT-G04	Note
	Flow Block		Y	Y	Y	Y	Y	Y	N/A	
	Media Player		N/A	Y	Y	Y	Y	N/A	N/A	7
	PDF Reader		N/A	Y	Y	Y	Y	Y	N/A	
	Picture Viewer		N/A	Y	Y	Y	Y	Y	N/A	
	Pie Chart		N/A	Y	Y	Y	Y	Y	N/A	
	Recipe Import/Export		Y	Y	Y	Y	Y	Y	N/A	
	Recipe View		Y	Y	Y	Y	Y	Y	N/A	
	Table		Y	Y	Y	Y	Y	Y	N/A	
	Video In - IP Camera		N/A	Y	Y	Y	Y	Y	N/A	8
	Video In - USB Camera		N/A	Y	Y	Y	Y	Y	N/A	
	Video In - Video Input		N/A	N/A	N/A	N/A	Y	N/A	N/A	
	VNC Viewer		N/A	N/A	N/A	N/A	Y	N/A	N/A	9
Object - IIoT/Energy	Demand Display		Y	Y	Y	Y	Y	Y	N/A	
	Demand Setting		Y	Y	Y	Y	Y	Y	N/A	
	MQTT		Y	Y	Y	Y	Y	Y	Y	
	MQTT - AWS IoT		Y	Y	Y	Y	Y	Y	Y	
	OPC UA Client		Y	Y	Y	Y	Y	Y	Y	
	OPC UA Server		License	Y	Y	Y	Y	License	Y	
Object- Data/History	Circular Trend Display		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Database Server		Y	Y	Y	Y	Y	Y	Y	
	Event Bar Chart		Y	Y	Y	Y	Y	Y	N/A	
	Operation Log Settings		Y	Y	Y	Y	Y	Y	N/A	
	SQL Query		Y	Y	Y	Y	Y	Y	N/A	
Other	CODESYS		N/A	Y	Y	N/A	Y	N/A	N/A	
Utility	EasyAccess 1.0		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	EasyAccess 2.0		Y	Y	Y	Y	Y	Y	Y	
	EasyAccess 2.0 Built-in License		cMT-SVR-102/202	cMT3071: N/A cMT3072:	Y	Y	Y	N/A	N/A	

Comparison of HMI Software Features

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Category	Function	Model		cMT-SVR	cMT3071 cMT3072	cMT3090	cMT3103	cMT3151	cMT-HDM cMT-FHD	cMT-G01 cMT-G02 cMT-G03 cMT-G04	Note
			Y								
	EasyDiagnoser	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	EasyLauncher	Y	Y	Y	Y	Y	Y	Y	N/A		
	EasyPrinter	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	EasySimulator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	EasySystemSetting	Y*	Y*	Y*	Y*	Y*	Y*	Y*	N/A	10	
	EasyWatch	Y	Y	Y	Y	Y	Y	Y	Y		

Notes

No.	Function	Note
1	History Size Limit	MT8121/8150XE: 64MB, MT8090/8091/8092XE: 120MB cMT Series: Max. data sampling entries: 40

OS Support

No	Function	OS Version
2	3G/4G Dongle	cMT-SVR: 20151127 cMT3072/3090/3103/3151: 20180723 or later
3	USB Tethering	iE Type A: 20160707 iE Type B: 20160325 eMT: 20160601 mTV: 20160527 XE: 20160503 cMT-SVR: 20160518 cMT3090/3103/3151/HDM: 20160412 or later
4	VNC Server	cMT3090/3151: 20160412 or later
5	Web Streaming	cMT-SVR: 20151127, cMT3151:20171129 or later
6	Barcode Scanner Android	Android cMTViewer V1.7.0 or later
7	Media Player	cMT-HDM: no 1920*1080 resolution

Comparison of HMI Software Features

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8	Video-in IP Camera	eMT: 20160601 XE: 20160503
9	VNC Viewer	iE Type A: 20160707 iE Type B: 20160325 eMT: 20160601 mTV: 20160527 XE: 20160503 cMT3090/3103/3151/HDM: 20180601 or later
10	EasySystemSetting	all cMT series: 20180723 or later

Appendix B. cMT Viewer Limitations

A cMT series HMI screen accessed locally, by physically on the HMI screen itself, or remotely, from another device running cMT Viewer or VNC viewer. However, please note that some features do not work when connecting remotely from a cMT Viewer client (iOS, Android, PC, cMT-iV5), even if they work on the local cMT machine. Please take this into consideration when designing projects.

Features that do not work remotely on cMT Viewer:

- 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/User [USB Security Key]
- Selected features of PLC Control
 - i. Screen hardcopy: File are saved in the external drive on HMI
 - ii. Backlight: Backlight control of HMI screen
- Selected features of Operation Log
 - i. Operation Log printing: Logs are saved in the external drive on HMI

Appendix C. PC Simulation Limitations

Running on-line or off-line simulation when designing an EasyBuilder Pro project can help users find out if the project will work as planned. However, some features only works on HMI, in which case the project should be downloaded to HMI in order to see the effects. Please take this into consideration when designing projects.

When running simulation on PC, the historical data is stored in their respective destination folder that is placed under EasyBuilder Pro installation directory:

- HMI_memory: when the designated destination is HMI memory.
- SD_card: when the designated destination is SD card.
- usb1: when the designated destination is USB Disk.
- usb2: when the designated destination is USB Disk2. (Applicable only for models that support two USB disks.)

Features that do not work when running on-line/off-line simulation on PC:

cMT Series

- Media Player
- Video In: USB Camera
- Video In: IP Camera
- Video In: Video Input (analog)
- PDF Reader

eMT/iE/XE/mTV Series

- Video In: USB Camera
- Video In: IP Camera
- Video In: Video Input (analog)
- VNC Viewer