cMT X Comparison

cMT X Advanced: all-round smart HMI

Supporting everything cMT X Basic and Standard have, cMT X Advanced also excels in cross-platform data integration with sophisticated features such as PLC Web Browser, SQL database connection, and OPC UA Server.

cMT X Standard: providing enhanced features for smart applications

In addition to all the features on cMT X Basic, cMT X Standard offers enhanced features for smart applications with multimedia support (IP/USB CAM, video playback), centralized authentication (LDAP), multiple ways of monitoring (WebView/cMT Viewer), and JavaScript support.

cMT X Basic: meeting the essential needs

cMT X Basic features high performance CPU, essential UI elements, 300+ PLC communication protocols, VNC monitoring, diagnostic tools, web interface, and Weincloud remote access for essential needs of industrial automation.

Software Specifications

Category	Feature	Basic cMT1000X	Standard cMT2000X	Advanced cMT3000X
Weincloud	Dashboard [1]	●	●	●
	EasyAccess 2.0 [2]	●	●	●
Function	64-bit Data Type	●	●	●
	3G/4G Dongle	●	●	●
	Web Interface (EasyWeb 2.0)	●	●	●
	FTP File Transfer	●	●	●
	Ethernet Printer	●	●	●
	Web Streaming		●	●
	Window Animation / Transparency		●	●
	LDAP		●	●
	WebView		●	●
	cMT Viewer App		●	●
	cMT Diagnoser	●	●	●
	VNC Server	●	●	●
	VNC Viewer	●	●	●
	PDF Reader	●	●	●
	BACnet Schedule	●	●	●
Object	Action Trigger		●	●
	Media Player		●	●
	IP/USB Camera		●	●
	JS Object		●	●
	Barcode Scanner (Android Camera)			●
	PLC Web Browser			●
IIoT/Energy	MQTT	●	●	●
	MQTT Cloud Service Integration [3]		●	●
	OPC UA Server			●
	OPC UA Client	●	●	●
	Energy Demand Display / Setting			●
Data/History	Database Server			●
	SQL Query			●
	Event Bar Chart			●
Driver	SIEMENS MPI [4]			●
	CAN bus			●
Others	CODESYS® [5]		●	●

*1. From now until August, 31st 2022, Dashboard may only be used, free of charge, with cMT X units that have been activated with EasyAccess 2.0. Beginning September, 1st 2022, regular licensing and fee apply.

*2. EasyAccess2.0 license is required and needs to be purchased separately. An exception is cMT3092X / cMT3152X which have built-in license.

*3. Integration with AWS IoT, Sparkplug B, Azure IoT Hub, Google Cloud IoT Core.

*4. SIEMENS MPI Driver is not supported on cMT3072X (Advanced).

*5. CODESYS® license is required and needs to be purchased separately. CODESYS® is not supported on cMT2166X (cMT X Standard).

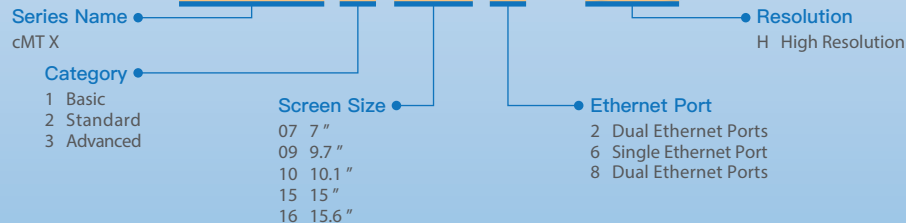* CODESYS® is a trademark of 3S-Smart Software Solutions GmbH.

Hardware Specifications

		Basic	Standard				Advanced				
Model		**cMT1106X**	**cMT2078X**	**cMT2108X2**	**cMT2158X**	**cMT2166X**	**cMT3072X / cMT3072XH**	**cMT3092X**	**cMT3102X**	**cMT3152X**	**cMT3162X**
Display	Size	10.1"	7"	10.1"	15"	15.6"	7"	9.7"	10.1"	15"	15.6"
	Resolution	1024 x 600	800×480	1024 x 600	1024 x 768	1920 x 1080	800 x 480 / 1024 x 600	1024 x 768	1024 x 600	1024 x 768	1920 x 1080
Touch Panel Type		Resistive Type				Capacitive Type	Resistive Type			Capacitive Type	
Processor		Quad-core RISC									
Memory	Flash/RAM	4GB/1GB									
I/O Port	USB /SD	USB Host x 1			USB Host × 1 SD × 1	USB Host x 1				USB Host x 1 SD x 1	USB Host x 1
	WiFi	By M02 WiFi Expansion Module	N/A	By M02 WiFi Expansion Module	N/A				By M02 WiFi Expansion Module	N/A	
	Ethernet Port	1 (10/100 Base-T× 1)	2 (10/100 Base-T× 2)	2 (10/100/1000 Base-T × 1 ; 10/100 Base-T× 1)		1 (10/100 Base-T× 1)	2 (10/100 Base-T× 2)			2 (10/100/1000 Base-T× 1 ; 10/100 Base-T× 1)	
	COM Port	COM1: RS-232 4W COM2: RS-485 2W/4W COM3: RS-485 2W, RS-232 2W*			COM1: RS-485 2W/4W, RS-232 4W COM3: RS-485 2W, RS-232 2W*		COM1: RS-232 4W COM2: RS-485 2W/4W COM3: RS-485 2W, RS-232 2W* CAN Bus			COM1: RS-485 2W/4W, RS-232 4W COM3: RS-485 2W, RS-232 2W* CAN Bus	
	Audio Output	N/A			Built-in Mono Speaker		N/A	Built-in Mono Speaker	N/A	Built-in Mono Speaker	
Power	Input Power	24±20%VDC									
	Power Isolation	Yes									
Specification	PCB Coating	Yes									
	Enclosure	Plastic			Aluminum	Front bezel: Plastic Rear Enclosure: Aluminum	Plastic			Front bezel: Plastic Rear Enclosure: Aluminum	
	Dimensions WxHxD (mm)	271 x 213 x 38 mm	200.3 × 146.3 × 35 mm	271 x 213 x 38 mm	366×293×48.2mm	400 x 263 x 27.6mm	200.3 x 146.3 x 35 mm	260.6 x 203.1 x 44.5 mm	271 x 213 x 38mm	366 x 293 x 51.5mm	400 x 263 x 27.6mm
	Panel Cutout	260 x 202 mm	192 × 138 mm	260 x 202 mm	352 × 279 mm	384 x 247 mm	192 x 138 mm	250 x 192 mm	260 x 202 mm	352 x 279 mm	384 x 247 mm
Environment	Protection Structure	NEMA4 / IP66 Compliant Front Panel									
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)	0° ~ 55° C (32° ~ 131° F)	0° ~ 50° C (32° ~ 122° F)			0° ~ 55° C (32° ~ 131° F)	0° ~ 50° C (32° ~ 122° F)			
	Relative Humidity	10% ~ 90% (non-condensing)									
Certificate		CE	CE / cULus			CE	CE / cULus				

*Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

WIDE Wide viewing angle   Capacitive Type   Vibration Alert

●○ Naming Convention ○●

cMT 2 07 8X(H)

- Series Name
  - cMT X
- Category
  - 1 Basic
  - 2 Standard
  - 3 Advanced
- Screen Size
  - 07 7 "
  - 09 9.7 "
  - 10 10.1 "
  - 15 15 "
  - 16 15.6 "
- Ethernet Port
  - 2 Dual Ethernet Ports
  - 6 Single Ethernet Port
  - 8 Dual Ethernet Ports
- Resolution
  - H High Resolution

WEINTEK

More About cMT X