cMT X Comparison

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

*1.EasyAccess2.0 license is required and needs to be purchased separately. An exception is cMT-SVRX-822 which has built-in license.

*2. Integrated with AWS IoT, Sparkplug B, Azure IoT Hub, Google Cloud IoT Core.

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

*For more software differences, please see the EasyBuilder Pro User Manual Appendix A.

* CODESYS® is a trademark of CODESYS GmbH.

cMT X Series Model Types

cMT X Series is offered in multiple levels to address different requirements

Standard
enhanced for smart applications
In addition to all the features on cMT X Basic, cMT X Standard also features enhancements in multimedia and mobile monitoring to meet the needs for a range of applications.

Headless HMI
going beyond size boundaries
Headless HMI works independently without a screen and can be monitored on apps or on external screens of various sizes.

Basic
meeting the essential needs
cMT X Basic features essential UI elements and 400+ PLC communication protocols for essential needs of industrial automation.

Advanced
all-around smart HMI
Supporting everything cMT X Basic and Standard have, cMT X Advanced also excels in cross-platform integration given its IIoT protocol capabilities .

●○Naming Convention○●

cMT 3 07 2 X *

Series Name
cMT X

Category
1 Basic
2 Standard
3 Advanced

Screen Size
07 7 ″
09 9.7 ″
10 10.1 ″
12 12.1 ″
15 15 ″
16 15.6 ″

Ethernet Port
2 Dual Ethernet Ports
6 Single Ethernet Port
8 Dual Ethernet Ports

Others
H High Resolution
T Wide Temperature
P Projected Capacitive Touch (PCAP)

Hardware Specifications

Model		Basic	Standard				Advanced				
		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.

*cMT3072XH

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
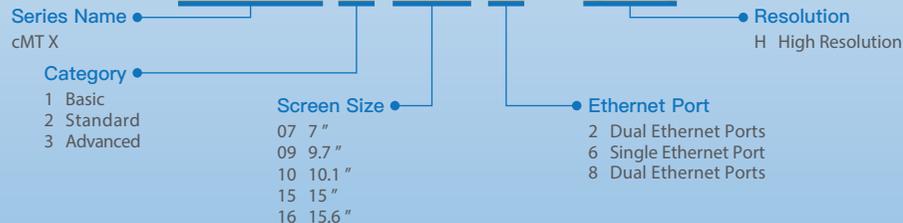
WEINTEK

www.weintek.com
+886 (2) 2228 6770
salesmail@weintek.com

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