
WEINTEK
cMT X Series
Fast x Smart x Reliable
Evaporator & Condenser
Power On

cMT X Series

Full Featured Smart HMI

The cMT X Series goes beyond its outstanding performance by integrating innovative features such as data integration, mobile monitoring, and cloud services. It’ s the smart HMI you need.

Premium Protection +

- Power Isolation
- PCB Coating
- NEMA4/ IP66
- CE / UL Certification

Performance
Quad-core CPU

Display
178° Wide Viewing Angle

Capacity
4GB Flash / 1GB RAM

Connectivity
400+ Communication Drivers



01
HMI Editing Software
EasyBuilder Pro p.03

02
Data Integration
OPC UA / Database / MQTT p.05

03
Mobile Monitoring
WebView / cMT Viewer / VNC Viewer p.06

04
Weincloud
Dashboard p.07
EasyAccess 2.0 p.09

05
WiFi Expansion Module
cMT X Series+ M02 WiFi Module p.10

06
Large Size HMI
cMT3218XP p.11

07
Handheld HMI
cMT3106XM p.12

08
Headless HMI
cMT-FHDX / cMT-SVRX p.13

cMT X Series Model Types p.14

Specifications and Dimensions p.15

Solution 01

EasyBuilder Pro - Efficient HMI Editing Software

Download EasyBuilder Pro for free and easily create your unique HMI interface. User-friendly and intuitive editing interface makes it simple for beginners to pick up quickly.

Ribbon Style

Intuitive ribbon-style toolbar for easy setup.

Combo Button

Multiple action settings and triggers with one click.

Window Tree

Clear project management with layered view.



JS-related

JavaScript object support and Web API integration.

Trigger Condition

If / else conditions by HMI addresses.

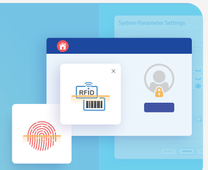
Picture Libraries

Built-in library with 2,000+ pictures.

EasyBuilder Pro not only includes essential HMI editing features but also introduces a range of powerful advanced tools for practical applications:

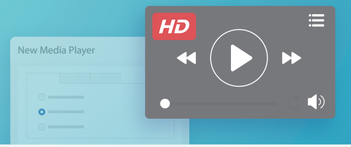
Advanced Security Mode

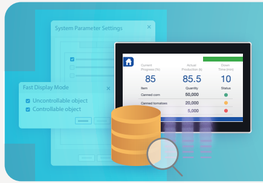
Log in via RFID and fingerprint to enhance access security.



Multimedia Support

Watch IP/USB Camera feeds on HMI or use Media Player to play HD videos on HMI.





Fast Display Mode

Objects cache data for quick display after window switches.

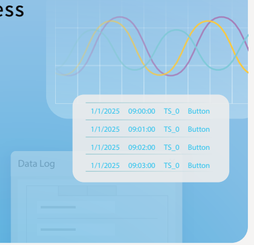


Data Processing

Synchronize historical data of Data Log, Event Log, and Operation Log to an external database to ensure data integrity.

File Transfer and Access

Use FTP server access to send various files and screenshots on the HMI to the server, or download PDF files, images, and videos from the server to view on the HMI.



Web Browser

Access the webpages of a PLC, a controller, or an embedded device to adjust its system parameters or monitor its status.



Solution 02

Data Integration - Support Diverse Industrial Protocols

The cMT X Series supports over 400 PLC drivers and IIoT protocols. It enables seamless data integration for the field devices.



Industrial Protocol Integration

Break barriers in communication and improve data exchange efficiency.

The cMT X Series supports:

OPC UA protocol
Modbus TCP/IP protocol
BACnet protocol

MQTT Cloud Integration

Support the lightweight MQTT protocol for quick IIoT device connectivity.

Download EasyBuilder Pro to connect to:

AWS Cloud Platform
Azure Cloud Platform

Database Integration

Support database integration to streamline field data into IT systems.

Compatible with databases:

MySQL
MS SQL
MariaDB
Azure SQL

Solution 03

Mobile Monitoring - Stay Updated Anytime

Weintek offers three monitoring methods:
cMT Viewer, WebView, and VNC Viewer. Users can choose the suitable tool to easily track the status of the devices.

VNC Viewer

- Screen mirroring
- Use VNC Client App

WebView

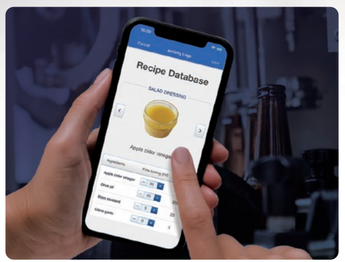
- Screen mirroring
- Use web browsers such as Chrome or Safari

cMT Viewer App

- Simultaneous multi-screen control
- Use electronic devices to access the cMT Viewer App
- Support one-to-many devices (up to 50) and multi-user-to-one monitoring
- Exclusively support HMI control function

Three Mobile Monitoring Methods

See the Comparison Chart »







Solution 04-1

Weincloud - Dashboard

Weincloud includes Dashboard, a cloud service, and EasyAccess 2.0, a remote connection tool. Track and maintain field equipment anytime, even from a distance.

Visualized Numerical Data

- Integrate data from multiple HMIs
- Display clear production process
- Provide assistance in decision-making

Intuitive User Interface

Create custom dashboards quickly with a variety of widgets by drag-and-drop function.

Real-time Data Display

- Present real-time production status
- Assist in efficient issue solving



Dashboard

The Dashboard provides a bird' s-eye view of on-site data. Managers can oversee field condition anytime, anywhere through a web browser or mobile apps.

6 Steps to Deploy

Free from the need for equipment installation. Reduce system integration effort.

Data Encryption

Protect all data transmissions with SSL/TLS encryption.

Data Backup and Synchronization

Support data caching to prevent loss.

Try Weincloud

Solution 04-2

Weincloud - EasyAccess 2.0

Remotely access on-site HMI or PLC in real time via VPN to troubleshoot equipment issues without delay.



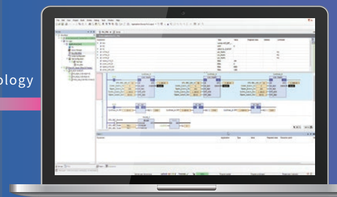
EasyAccess2.0

PLC Pass-through



P2P Technology

Remote HMI/PLC pass-through to synchronize adjustments



Push Notifications via EasyAccess 2.0, Messenger, Telegram, and WeChat



Solution 05

WiFi Expansion Module – Wireless Network Solution

This WiFi module offers flexible networking options, ideal for mobile equipment and hard-to-wire environments.



cMT X Series + M02 WiFi Module



*See the spec table for supported models.

Magnetic External Antenna
Install at the location with optimal signal.

WiFi Support
Support WiFi standards, IEEE 802.11b/g/n.

Compact Design
Minimize protrusion when installed on the HMI, avoiding space issues in control cabinet installation.

Modular Design
Add wireless network for HMIs to help overcome wiring obstacles.

Solution 06

Large-Size HMI

Enhanced display clarity enables faster decisions by showing more data on a single screen.

Smooth 1920×1080 visuals and a premium aluminum housing deliver powerful hardware-software performance in one package.



21.5-inch HMI



Portable Operation
Adjust control commands instantly within cable range (6, 10 m).

Safety Mechanism
Three built-in switches enhance operational safety.



Flexible Mounting
Standard and compact connection box options meet various installation needs.

Solution 07

Handheld HMI

Designed for large factories with multiple stations. Install a connection box at each station and plug in the handheld HMI to operate target equipment at any time.

Connection Box



Handheld HMI

Solution 08

Headless HMI

With the panel removed, the HMI body becomes lighter and slimmer. It's easier to install in control chassis and compatible with various screen sizes.



cMT-FHDX-820

Supporting audio and video output via HDMI™, its size and resolution are not limited by current HMI offerings. Its software features are comparable to those of cMT X Advanced.



cMT-SVRX-820/822

The latest server-type HMI is the perfect manifestation of the cMT X architecture, and the cMT Viewer App is required for mobile monitoring.

* Wireless models cMT-SVR-200 / cMT-SVR-202 are also available for comparison and selection

cMT X Series Model Types

Standard

Enhanced for smart applications

The cMT X Standard features video streaming and mobile monitoring, along with advanced EasyBuilder Pro objects to meet diverse application needs.

Advanced

All-around smart HMI

The cMT X Advanced offers the most comprehensive HMI and EasyBuilder Pro features. It supports various IIoT protocols, and excels in cross-platform data integration.

Handheld HMI

Freedom to operate on the move

Handheld HMI breaks free from fixed setups, allowing movement within cable range for on-site parameter adjustment—ideal for multi-station monitoring.

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.



Naming Convention

cMT 3 07 2 X * ( )

Series Name
cMT X

Category
2 Standard
3 Advanced

Screen Size

05	4.3 ″	12	12.1 ″
07	7 ″	15	15 ″
09	9.7 ″	16	15.6 ″
10	10.1 ″	21	21.5 ″

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

1~9	Appearance Difference
H	High Resolution
P	Projected Capacitive Touch (PCAP)
T	Wide Temperature
M	Mobile Handheld HMI

(R)	Built-in RFID
(L)	High Brightness
(W)	HTML5 Web Panel
(iV)	Built-in cMT Viewer

Advanced Model

Specifications







	Model	cMT3072XH2	cMT3072XH3	cMT3072XHT / cMT3072XHT (L)	cMT3072XP	cMT3092X
Display	Display	7" WVA	7" WVA	7" WVA	7" WVA	9.7" WVA
	Resolution	1024 x 600	1024 x 600	1024 x 600	1024 x 600	1024 x 768
	Brightness (cd/ ㎡)	550	550	550 1200	550	350
	Contrast Ratio	800:1	800:1	800:1	800:1	900:1
	Backlight Life Time	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.
	Colors	16.7M	16.7M	16.7M	16.7M	16.2M
	LCD Viewing Angle (T/B/L/R)	85/85/85/85	85/85/85/85	85/85/85/85	85/85/85/85	89/89/89/89
	Pixel Pitch (mm)	0.1506(H) x 0.1432(V)	0.1506(H) x 0.1432(V)	0.1506(H) x 0.1432(V)	0.1506(H) x 0.1432(V)	0.192(H) x 0.192(V)
Touch Panel	Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	Tempered Glass, Capacitive Type Hardness Scale 7H	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	N/A	Active Area Length(X)±2%, Width(Y)±2%
Memory	FLASH	4 GB	4 GB	4 GB	4 GB	4 GB
	RAM	1 GB	1 GB	1 GB	1 GB	1 GB
Processor	CPU	Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC
I/O Port	Memory Card Type	N/A	microSD x 1	N/A	N/A	N/A
	USB Host	USB 2.0 x 1	USB 2.0 x 2	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	WiFi	N/A	M02 WiFi Expansion Module (Optional)	N/A	N/A	N/A
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	CAN Bus	Yes	N/A	Yes	Yes	N/A
	Audio Output	N/A	N/A	N/A	N/A	Built-in Mono Speaker
Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in	Built-in
	Power Consumption	820mA@24VDC	700mA@24VDC	820mA@24VDC	820mA@24VDC	1A@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
Mechanical	Enclosure	Plastic	Plastic	Aluminum	Plastic	Plastic
	Dimensions WxHxD	200.3 x 146.3 x 35.0 mm	200.3 x 146.3 x 36 mm	200.4 x 146.5 x 36.0 mm	200.3 x 146.3 x 36.9 mm	260.6 x 203.1 x 44.5 mm
	Panel Cutout	192 x 138 mm	192 x 138 mm	192 x 138 mm	192 x 138 mm	250 x 192 mm
	Weight	Approx. 0.6 kg	Approx. 0.6 kg	Approx. 0.8 kg	Approx. 0.7 kg	Approx. 1 kg
	Mount	Panel mount	Panel mount	Panel mount	Panel mount	Panel mount, VESA mount 75 x 75 mm
Environment	PCB Coating	Yes	Yes	Yes	Yes	Yes
	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)	-20° ~ 55° C (-4° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
	Altitude	3,000 m	3,000 m	3,000 m	3,000 m	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked	CE marked	CE marked	CE marked	CE marked
	UL	cULus Listed	cULus Listed	cULus Listed (Class 1, Division 2)	cULus Listed	cULus Listed
Software	Weincloud	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)
	CODESYS®	Optional	Optional	Optional	Optional	Optional

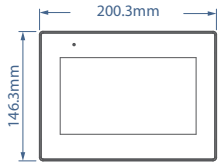
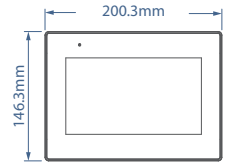
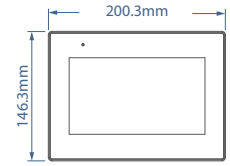
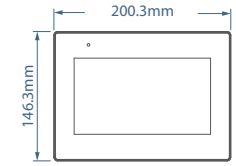
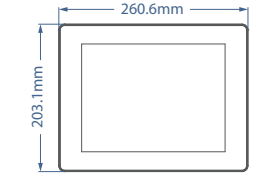
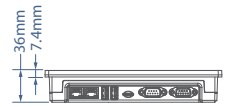
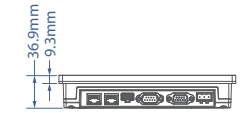
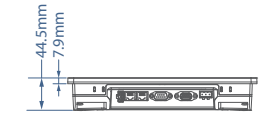
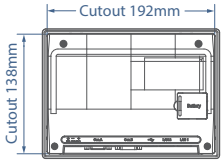
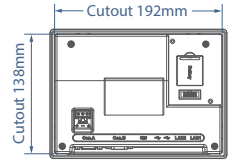
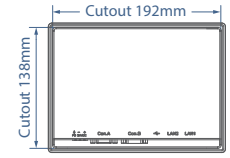
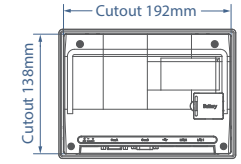
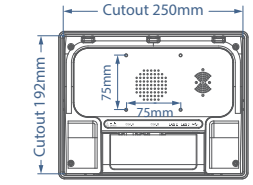
*Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

*CODESYS® is a trademark of CODESYS GmbH.

Capacitive Type Wide Viewing Angle

Advanced Model

Dimensions

cMT3072XH2	cMT3072XH3	cMT3072XHT / cMT3072XHT (L)	cMT3072XP	cMT3092X
				
Top View	Top View	Top View	Top View	Top View
				
Front View	Front View	Front View	Front View	Front View
				
Bottom View	Bottom View	Bottom View	Bottom View	Bottom View
				
Rear View	Rear View	Rear View	Rear View	Rear View

Advanced Model

Specifications









	Model	cMT3102X / cMT3102X (R)	cMT3108XH	cMT3108XP	cMT3162X
Display	Display	10.1" WVA	10.1" WVA	10.1" WVA	15.6" WVA
	Resolution	1024 x 600	1280 x 800	1280 x 800	1920 x 1080
	Brightness (cd/ m²)	350	500	425	300
	Contrast Ratio	1000:1	800:1	800:1	800:1
	Backlight Life Time	>50,000 hrs.	>50,000 hrs.	>50,000 hrs.	>30,000 hrs.
	Colors	16.7M	16.7M	16.7M	16.2M
	LCD Viewing Angle (T/B/L/R)	89/89/89/89	89/89/89/89	89/89/89/89	89/89/89/89
	Pixel Pitch (mm)	0.2175(H) x 0.2088(V)	0.1695(H) x 0.1695(V)	0.1695(H) x 0.1695(V)	0.17925(H) x 0.17925(V)
Touch Panel	Type	4-wire Resistive Type	4-wire Resistive Type	Tempered Glass, Capacitive Type Hardness Scale 7H	Tempered Glass, Capacitive Type Hardness Scale 7H
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	N/A	N/A
Memory	FLASH	4 GB	4 GB	4 GB	4 GB
	RAM	1 GB	1 GB	1 GB	1 GB
Processor	CPU	Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC
I/O Port	USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	WiFi	M02 WiFi Expansion Module (Optional)	M02 WiFi Expansion Module (Optional)	M02 WiFi Expansion Module (Optional)	N/A
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	CAN Bus	Yes	Yes	Yes	Yes
	Audio Output	N/A	Built-in Mono Speaker	Built-in Mono Speaker	Built-in Mono Speaker
RFID	Compatibility Standard	N/A ISO/IEC 14443 Type A/B, Frequency: 13.56 MHz	N/A	N/A	N/A
	Reading Distance	N/A Max. 4 cm*	N/A	N/A	N/A
Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in
	Power Consumption	1A@24VDC	700mA@24VDC	700mA@24VDC	1.3A@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
Mechanical	Enclosure	Plastic	Plastic	Plastic	Front Bezel: Plastic, Rear Enclosure: Aluminum
	Dimensions WxHxD	271 x 213 x 38 mm	266 x 196 x 40 mm	266 x 196 x 42.7 mm	400 x 263 x 27.6 mm
	Panel Cutout	260 x 202 mm	255 x 185 mm	255 x 185 mm	384 x 247 mm
	Weight	Approx. 1.2 kg	Approx. 1.1 kg	Approx. 1.1 kg	Approx. 1.6 kg
	Mount	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 100 x 100 mm
Environment	PCB Coating	Yes	Yes	Yes	Yes
	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	NEMA4 / IP66 Compliant Front Panel
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)	0° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
	Altitude	3,000 m	3,000 m	3,000 m	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked	CE marked	CE marked	CE marked
	UL	cULus Listed	cULus Listed (Class 1, Division 2)	cULus Listed	cULus Listed
	ATEX	ATEX Zone 2/22 Category 3 G/D	ATEX Zone 2/22 Category 3 G/D	ATEX Zone 2/22 Category 3 G/D	N/A
Software	Weincloud	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)
	CODESYS®	Optional	Optional	Optional	Optional

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

*RFID reading distance depends on tag size and antenna design.

RFID | Vibration Alert | Capacitive Type | Wide Viewing Angle

Advanced Model

Dimensions

cMT3102X / cMT3102X (R)	cMT3108XH	cMT3108XP	cMT3162X



Top View



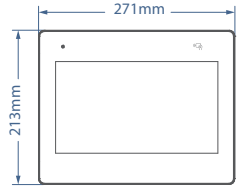
Top View



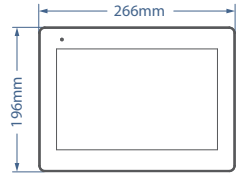
Top View



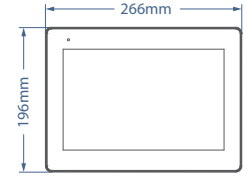
Top View



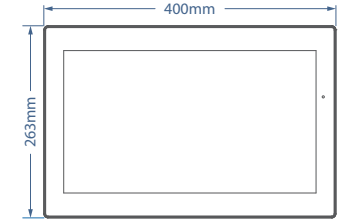
Front View



Front View



Front View



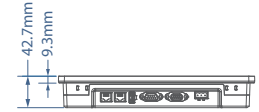
Front View



Bottom View



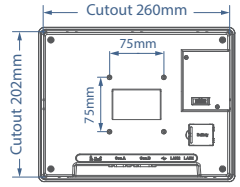
Bottom View



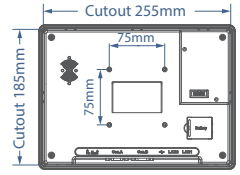
Bottom View



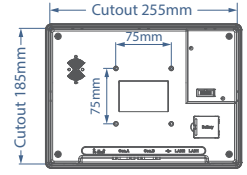
Bottom View



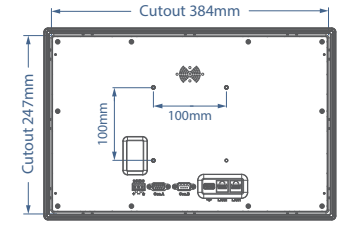
Rear View



Rear View



Rear View



Rear View

*Shown with cMT3102X (R).

Advanced Model

Specifications



		Model	cMT3218XP
Display		Display	21.5" WVA
		Resolution	1920 x 1080
		Brightness (cd/ ㎡)	500
		Contrast Ratio	1000:1
		Backlight Life Time	>30,000 hrs.
		Colors	16.7M
		LCD Viewing Angle (T/B/L/R)	89/89/89/89
		Pixel Pitch (mm)	0.24795(H) x 0.24795(V)
Touch Panel		Type	Tempered Glass, Capacitive Type Hardness Scale ≧ 6H
Memory		FLASH	4 GB
		RAM	2 GB
Processor		CPU	Quad-core RISC
I/O Port		USB Host	USB 2.0 x 2
		Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
		COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
		CAN Bus	Yes
		Audio Output	Built-in Mono Speaker
Power		Input Power	24±20%VDC
		Power Isolation	Built-in
		Power Consumption	1.8A@24VDC
		Voltage Resistance	500VAC (1 min.)
		Isolation Resistance	Exceed 50MΩ @ 500VDC
Mechanical		Enclosure	Aluminum
		Dimensions WxHxD	546 x 354 x 47.5 mm
		Panel Cutout	532 x 340 mm
		Weight	Approx. 5.5 kg
		Mount	Panel mount, VESA mount 100 x 100 mm
Environment		PCB Coating	Yes
		Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel
		Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)
		Operating Temperature	0° ~ 50° C (32° ~ 122° F)
		Relative Humidity	10% ~ 90% (non-condensing)
		Altitude	3,000 m
		Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate		CE	CE marked
		UL	cULus Listed
Software		Weincloud	EasyAccess 2.0 (Optional) Dashboard (Optional)
		CODESYS®	Optional

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

Standard Model

Specifications





		Model	cMT2058XH	cMT2078X
Display		Display	4.3" WVA	7" TFT
		Resolution	800 x 480	800 x 480
		Brightness (cd/ ㎡)	530	400
		Contrast Ratio	800:1	800:1
		Backlight Life Time	>30,000 hrs.	>30,000 hrs.
		Colors	16.7M	16.7M
		LCD Viewing Angle (T/B/L/R)	80/80/80/80	80/60/80/80
		Pixel Pitch (mm)	0.1188(H) x 0.1122(V)	0.1926(H) x 0.179(V)
Touch Panel		Type	4-wire Resistive Type	4-wire Resistive Type
		Accuracy	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%
Memory		FLASH	4 GB	4 GB
		RAM	1 GB	1 GB
Processor		CPU	Quad-core RISC	Quad-core RISC
I/O Port		USB Host	USB 2.0 x 1	USB 2.0 x 1
		Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1
		WiFi	N/A	N/A
		COM Port	COM1: RS-232 2W, RS-485 2W/4W COM3: RS-485 2W	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
Power		Input Power	24±20%VDC	24±20%VDC
		Power Isolation	Built-in	Built-in
		Power Consumption	510mA@24VDC	820mA@24VDC
		Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)
		Isolation Resistance	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
Mechanical		Enclosure	Plastic	Plastic
		Dimensions WxHxD	128 x 102 x 32 mm	200.3 x 146.3 x 35.0 mm
		Panel Cutout	119 x 93 mm	192 x 138 mm
		Weight	Approx. 0.27 kg	Approx. 0.6 kg
		Mount	Panel mount	Panel mount
Environment		PCB Coating	Yes	Yes
		Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel
		Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)
		Operating Temperature	0° ~ 50° C (32° ~ 122° F)	0° ~ 55° C (32° ~ 131° F)
		Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
		Altitude	3,000 m	3,000 m
		Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate		CE	CE marked	CE marked
		UL	cULus Listed	cULus Listed
Software		Weincloud	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)
		CODESYS®	Optional	Optional

Capacitive Type Wide Viewing Angle

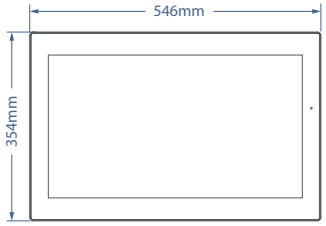
Advanced Model

Dimensions

cMT3218XP



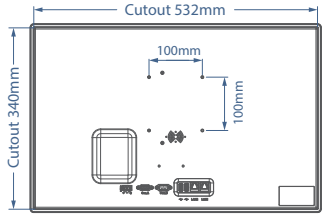
Top View



Front View



Bottom View



Rear View

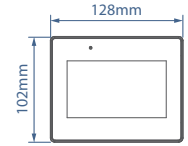
Standard Model

Dimensions

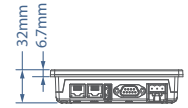
cMT2058XH



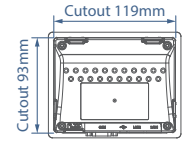
Top View



Front View



Bottom View

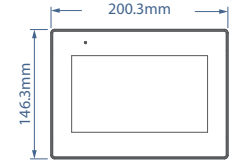


Rear View

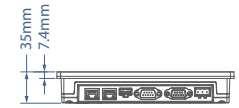
cMT2078X



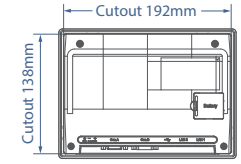
Top View



Front View



Bottom View



Rear View

Standard Model

Specifications









	Model	cMT2108X2	cMT2128X	cMT2158X	cMT2166X
Display	Display	10.1" WVA	12.1" WVA	15" WVA	15.6" WVA
	Resolution	1024 x 600	1024 x 768	1024 x 768	1920 x 1080
	Brightness (cd/ ㎡)	350	600	350	300
	Contrast Ratio	1000:1	1000:1	2500:1	800:1
	Backlight Life Time	>50,000 hrs.	>30,000 hrs.	>70,000 hrs.	>30,000 hrs.
	Colors	16.7M	16.7M	16.2M	16.2M
	LCD Viewing Angle (T/B/L/R)	89/89/89/89	89/89/89/89	88/88/88/88	89/89/89/89
	Pixel Pitch (mm)	0.2175(H) x 0.2088(V)	0.240(H) x 0.240(V)	0.297(H) x 0.297(V)	0.17925(H) x 0.17925(V)
Touch Panel	Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	Tempered Glass, Capacitive Type Hardness Scale 7H
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	N/A
Memory	FLASH	4 GB	4 GB	4 GB	4 GB
	RAM	1 GB	1 GB	1 GB	1 GB
Processor	CPU	Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC
I/O Port	Memory Card Type	N/A	microSD x 1	SD x 1	N/A
	USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	10/100 Base-T x 1
	WiFi	M02 WiFi Expansion Module (Optional)	N/A	N/A	N/A
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	RS-485 Dual Isolation	N/A	Yes	N/A	N/A
	Audio Output	N/A	N/A	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1	Built-in Mono Speaker
Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in
	Power Consumption	1A@24VDC	1.2A@24VDC	1.3A@24VDC	0.9A@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
Mechanical	Enclosure	Plastic	Plastic	Aluminum	Front Bezel: Plastic, Rear Enclosure: Aluminum
	Dimensions WxHxD	271 x 213 x 38 mm	317 x 243 x 41 mm	366 x 293 x 48.2mm	400 x 263 x 27.6 mm
	Panel Cutout	260 x 202 mm	305 x 231 mm	352 x 279 mm	384 x 247 mm
	Weight	Approx. 1.2 kg	Approx. 1.7 kg	Approx. 2.74 kg	Approx. 1.6 kg
	Mount	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 100 x 100 mm
Environment	PCB Coating	Yes	Yes	Yes	Yes
	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	NEMA4 / IP66 Compliant Front Panel
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)	0° ~ 55° C (32° ~ 131° F)	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
	Altitude	3,000 m	3,000 m	3,000 m	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked	CE marked	CE marked	CE marked
	UL	cULus Listed	cULus Listed	cULus Listed (Class 1, Division 2)	N/A
Software	Weincloud	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional)
	CODESYS®	Optional	Optional	Optional	N/A

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

*The cMT2108X2 (V2) / cMT2158X (V2) product label indicates MPI support, while the original cMT2108X2 / cMT2158X label does not.

Capacitive Type Wide Viewing Angle

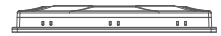
Standard Model

Dimensions

cMT2108X2	cMT2128X	cMT2158X	cMT2166X



Top View



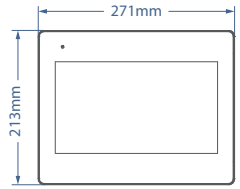
Top View



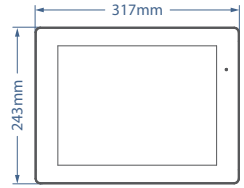
Top View



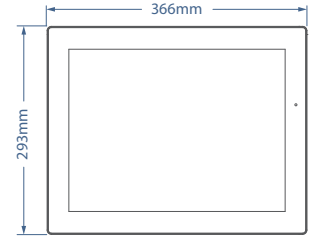
Top View



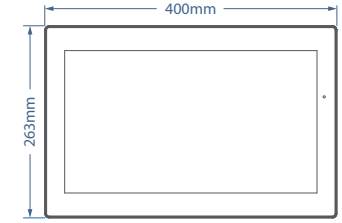
Front View



Front View



Front View



Front View



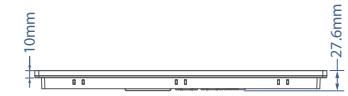
Bottom View



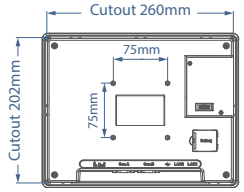
Bottom View



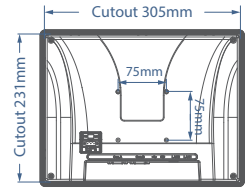
Bottom View



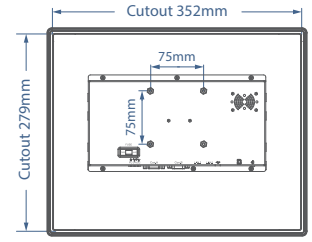
Bottom View



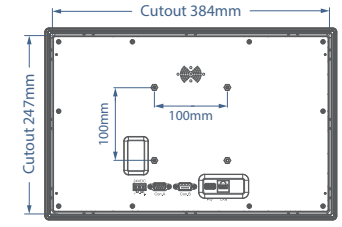
Rear View



Rear View



Rear View



Rear View

Handheld HMI



Specifications

	Model	cMT3106XM
Display	Display	10.1" WVA
	Resolution	1024 x 600
	Brightness (cd/ ㎡)	350
	Contrast Ratio	1000:1
	Backlight Life Time	>50,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	89/89/89/89
	Pixel Pitch (mm)	0.2175(H) x 0.2088(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	FLASH	4 GB
	RAM	1 GB
Processor	CPU	Quad-core RISC
I/O Port	Memory Card Type	SD x 1
	USB Host	USB 2.0 x 1
	Ethernet	10/100 Base-T x 1
	COM Port	COM2 RS-485 2W/4W
	Key Switch	Yes*
	Emergency Stop Switch	Yes*
	3-Position Enable Switch	Yes*
Power	Input Power	24±20%VDC*
	Power Isolation	Built-in
	Power Consumption	480mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
Mechanical	Enclosure	Plastic
	Dimensions WxHxD	302.7 x 240 x 116.8 mm
	Weight	Approx. 1.6 kg
	Mount	Wall Mounting Bracket
Environment	PCB Coating	Yes
	Protection Structure	IP65
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Altitude	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
	Max. Fall Height	1.2 m
Certificate	CE	CE marked
	UL	cULus Listed
Software	Weincloud	EasyAccess 2.0 (Optional) Dashboard (Optional)

*See the datasheet for more details.

*The Handheld HMI must be powered solely through the connection box.

Connection Box





Specifications

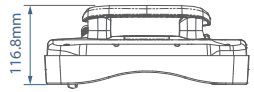
	Model	cMT-XMBS	cMT-XMBC
I/O Port	Cable Connector	1	1
	Wiring Terminal	2	2
Mechanical	Enclosure	Plastic	Plastic
	Dimensions WxHxD	181.1 x 101.1 x 70 mm	157.9 x 75.9 x 55.2 mm
	Panel Cutout	N/A	119.4 x 29.95 mm
	Weight	Approx. 0.4 kg	Approx. 0.2 kg
	Mount	Use four M4 screws, mounting hole size is 4.6 mm	Use six M4 screws, mounting hole size is 4.6mm
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Side
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
	Altitude	3,000 m	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked	CE marked
	UL	cULus Listed	cULus Listed
E-Stop Bypass Plug		Optional	Optional

Wide Viewing Angle

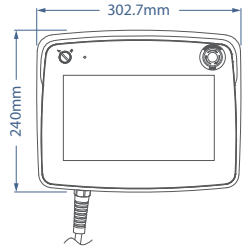
Handheld HMI

Dimensions

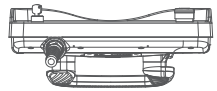
cMT3106XM



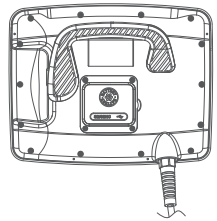
Top View



Front View



Bottom View



Rear View

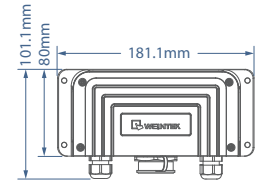
Connection Box

Dimensions

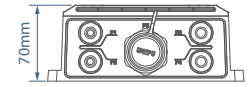
cMT-XMBS



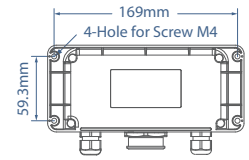
Top View



Front View

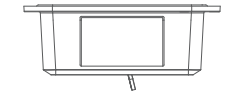


Bottom View

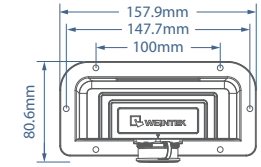


Rear View

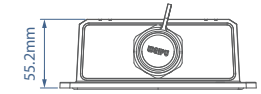
cMT-XMBC



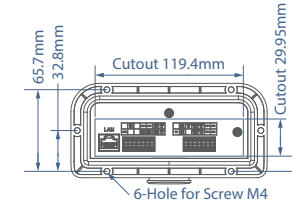
Top View



Front View



Bottom View



Rear View

Headless HMI+Other Model

Specifications






	Model	cMT-FHDX-820	cMT-SVRX-820 / 822	cMT-SVR-100 / 102	cMT-SVR-200 / 202
Memory	FLASH	4 GB	4 GB	256 MB	256 MB
	RAM	1 GB	1 GB	256 MB	256 MB
Processor	CPU	Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC
I/O Port	Memory Card Type	microSD x 1	microSD x 1	microSD x 1	microSD x 1
	USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	10/100 Base-T x 2	10/100 Base-T x 1
	WiFi	N/A	N/A	N/A	IEEE 802.11 b/g/n 802.11b: max 19.52 dBm 802.11g: max 15.35 dBm 802.11n: max 15.28 dBm
	COM Port	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W
	HDMI™ Output	Customizable (max. resolution 1920 x 1080)	N/A	N/A	N/A
	Recommended Resolutions (Please use these recommended screen resolutions to avoid compatibility issues.)	720x480 / 720x576 / 800x600 / 1024x768 / 1280x720 / 1920x1080	N/A	N/A	N/A
	Audio Output	HDMI™ Audio Output	N/A	N/A	N/A
Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in
	Power Consumption	850mA@24VDC	850mA@24VDC	230mA@24VDC	450mA@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
Mechanical	Enclosure	Plastic	Plastic	Plastic	Plastic
	Dimensions WxHxD	29.8 x 130 x 115 mm	29.8 x 130 x 115 mm	27 x 130 x 115 mm	27 x 130 x 115 mm
	Weight	Approx. 0.24 kg	Approx. 0.24 kg	Approx. 0.18 kg	Approx. 0.18 kg
	Mount	35 mm DIN rail mounting	35 mm DIN rail mounting	35 mm DIN rail mounting	35 mm DIN rail mounting
Environment	PCB Coating	Yes	Yes	Yes	Yes
	Protection Structure	IP20	IP20	IP20	IP20
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 70° C (-4° ~ 158° F)	-20° ~ 70° C (-4° ~ 158° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)	-20° ~ 55° C (-4° ~ 131° F)	-20° ~ 55° C (-4° ~ 131° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
	Altitude	3,000 m	3,000 m	3,000 m	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked	CE marked	CE marked	CE marked
	UL	cULus Listed	cULus Listed	cULus Listed	cULus Listed
Software	Weincloud	EasyAccess 2.0 (Optional) Dashboard (Optional)	EasyAccess 2.0 (Optional) Dashboard (Optional) EasyAccess 2.0 (Built-in) Dashboard (Optional)	EasyAccess 2.0 (Optional) EasyAccess 2.0 (Built-in)	EasyAccess 2.0 (Optional) EasyAccess 2.0 (Built-in)
	CODESYS®	Optional	Optional	N/A	N/A

*The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Accessories

Specifications



	Model	M02
Network	WiFi	IEEE 802.11 b/g/n 802.11b: max 19.76 dBm 802.11g: max 19.93 dBm 802.11n: max 19.99 dBm
I/O Port	SMA Female Connector	1
	Male Connector to HMI	1
Power	Input Power	5VDC
	Power Consumption	900mA@5VDC (powered by HMI)
	Voltage Resistance	500VAC (1min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
Mechanical	Enclosure	Plastic
	Dimensions WxHxD	54.5 x 80 x 24.1 mm
	Weight	Approx. 80 g
	Mount	HMI connector + diagonal screw fastening
Environment	Protection Structure	M02: IP20 Compliant Antenna: IP66 Compliant
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 55° C (32° ~ 131° F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Altitude	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed

Headless HMI+Other Model

Dimensions

cMT-FHDX-820	cMT-SVRX-820 / 822	cMT-SVR-100 / 102	cMT-SVR-200 / 202



Top View



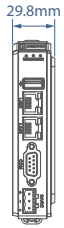
Top View



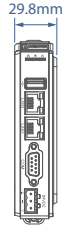
Top View



Top View



Front View



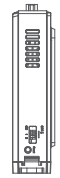
Front View



Front View



Front View



Bottom View



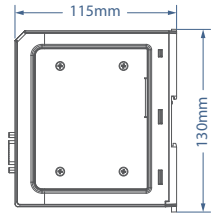
Bottom View



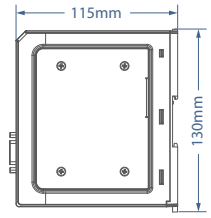
Bottom View



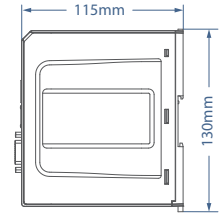
Bottom View



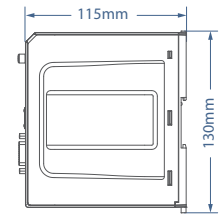
Side View



Side View



Side View

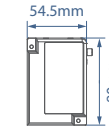


Side View

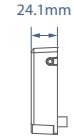
Accessories

Dimensions

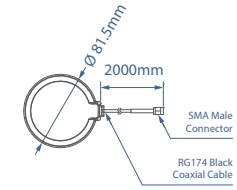
M02

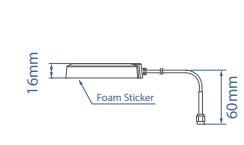


Front View



Side View





Antenna

*Other brands or product names appearing in this catalog are trademarks or registered trademarks of their respective owners.



www.weintekusa.com

Phone: +1-425-488-1100 | Fax: +1-425-415-6206
Sales: sales@weintekusa.com | Technical Support: support@weintekusa.com
Address: Weintek USA., Inc. 6219 NE 181st Street, Suite # 120 Kenmore, WA 98028

WEINTEK and the WEINTEK logos are trademarks or registered trademarks of Weintek Labs., Inc. in many countries.
© 2026 All rights reserved.

ENG 2026.10.08