



# CTX Series

Fast x Smart x Reliable



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.

## ✓ Performance

Quad-core CPU

## ✓ Display

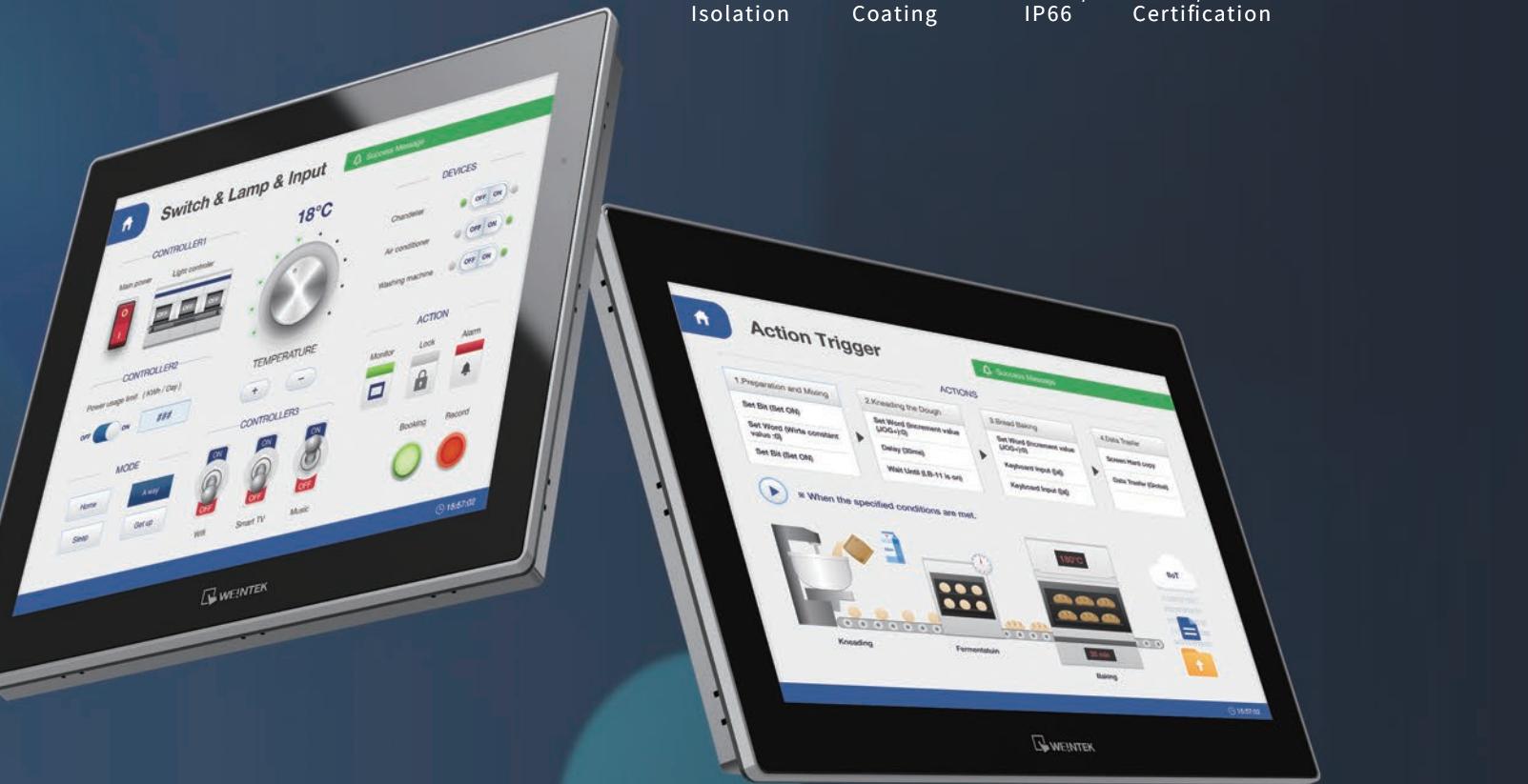
178° Wide Viewing Angle

## ✓ Capacity

4GB Flash / 1GB RAM

## ✓ Connectivity

400+ Communication Drivers



## Premium Protection



Power Isolation



PCB Coating



NEMA4/ IP66



CE / UL Certification

01

## HMI Editing Software

EasyBuilder Pro

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## Data Integration

OPC UA / Database / MQTT

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## 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.



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.

This section shows a screenshot of the 'System Parameter Settings' window. It includes a 'Fast Display Mode' section with a database icon and a 'Picture Library' section with a camera icon. Below these are sections for 'File Transfer and Access' and 'Web Browser'.

### Multimedia Support

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

This section shows a screenshot of the 'System Parameter Settings' window. It includes a 'Fast Display Mode' section with a database icon and a 'Picture Library' section with a camera icon. Below these are sections for 'File Transfer and Access' and 'Web Browser'.

### Fast Display Mode

Objects cache data for quick display after window switches.

This section shows a screenshot of the 'System Parameter Settings' window. It includes a 'Fast Display Mode' section with a database icon and a 'Picture Library' section with a camera icon. Below these are sections for 'File Transfer and Access' and 'Web Browser'.

### Data Processing

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

This section shows a screenshot of the 'System Parameter Settings' window. It includes a 'Fast Display Mode' section with a database icon and a 'Picture Library' section with a camera icon. Below these are sections for 'File Transfer and Access' and 'Web Browser'.

### 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.

This section shows a screenshot of the 'System Parameter Settings' window. It includes a 'Fast Display Mode' section with a database icon and a 'Picture Library' section with a camera icon. Below these are sections for 'File Transfer and Access' and 'Web Browser'.

### Web Browser

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

This section shows a screenshot of the 'System Parameter Settings' window. It includes a 'Fast Display Mode' section with a database icon and a 'Picture Library' section with a camera icon. Below these are sections for 'File Transfer and Access' and 'Web Browser'.

## 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.

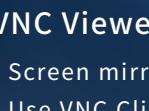
Compatible with databases:  
MySQL  
MS SQL  
MariaDB  
Azure SQL

## 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



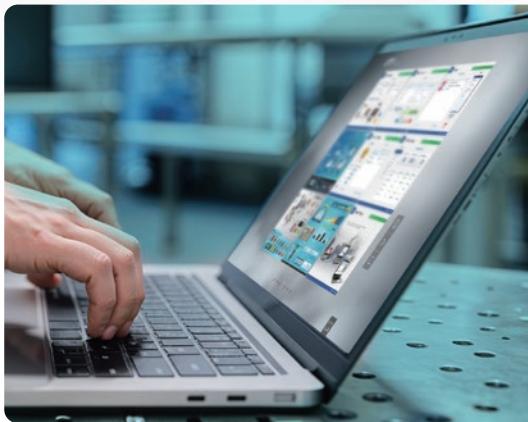
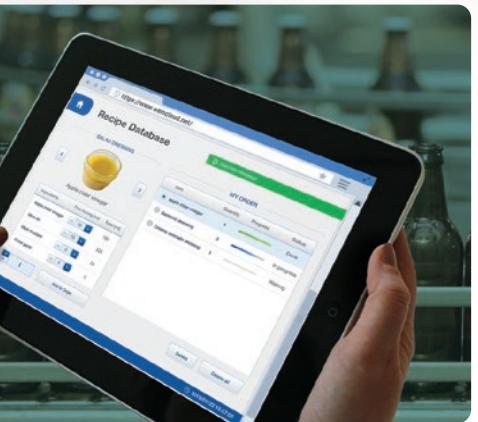
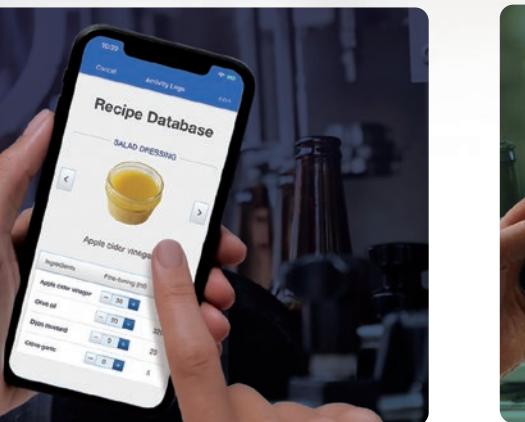
## cMT Viewer App

- 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



See the Comparison Chart >

## Three Mobile Monitoring Methods



## 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

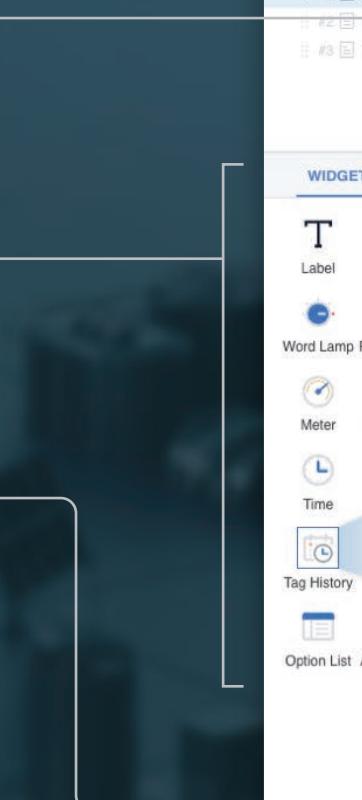
- Integrate data from multiple HMIs
- Display clear production process
- Provide assistance in decision-making

## 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 conditions in real time, 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.

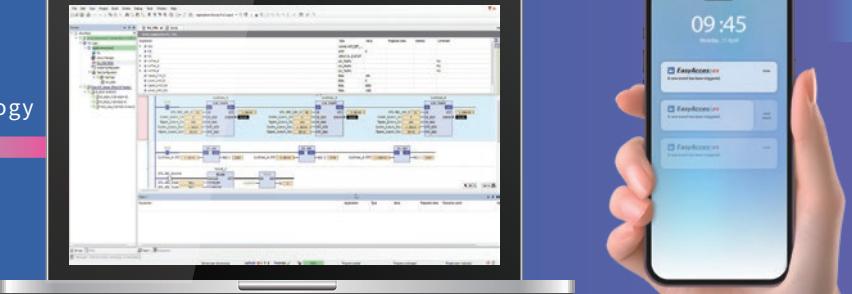


 **EasyAccess2.0**

**PLC Pass-through**

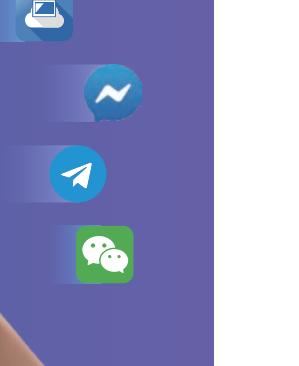


**P2P Technology**



**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.



## 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, or 20 m\*<sup>1</sup>).

**Safety Mechanism**  
Three built-in switches enhance operational safety.

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

\*<sup>1</sup> 20 m cable is available as a custom option. Contact your sales representative for details.

## 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.



Handheld HMI

Connection Box

## 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 features. It supports various IIoT protocols, and excels in cross-platform data integration.

## 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 any connection or external screen of various sizes.



## Naming Convention

cMT 3 07 2 X \* ( )

Series Name

cMT X

Category

2 Standard  
3 Advanced

Screen Size

05 4.3" 07 7" 09 9.7" 10 10.1"

12 12.1" 15 15" 16 15.6" 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 (PCP)

T Wide Temperature

M Mobile Handheld HMI

- (R) Built-in WiFi
- (L) High Brightness
- (V) HMI/LW Panel
- (iV) Built-in cMT Viewer

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



[www.weintekiiot.com](http://www.weintekiiot.com)

Tel: +886-2-22286770 | Fax: +886-2-22286771

Sales: [salesmail@weintek.com](mailto:salesmail@weintek.com) | Product Support: [servicemail@weintek.com](mailto:servicemail@weintek.com)

Address: 14F., No. 11, Qiaohe Rd., Zhonghe Dist., New Taipei City 235029, Taiwan, R.O.C.

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