

[Home News](#)

cMT3072XH3: 7" cMT X Advanced HMI



News

03.04.2026

cMT3072XH3: 7" cMT X Advanced HMI

Author

cMT3072XH3

cMT3072XH3: 7" cMT X Advanced HMI



cMT3072XH3: 7" cMT X Advanced HMI

In industrial applications, 7-inch HMIs have long been a market favorite. However, as Industry 4.0 accelerates, even compact machines must handle more complex on-site data and support wireless connectivity.

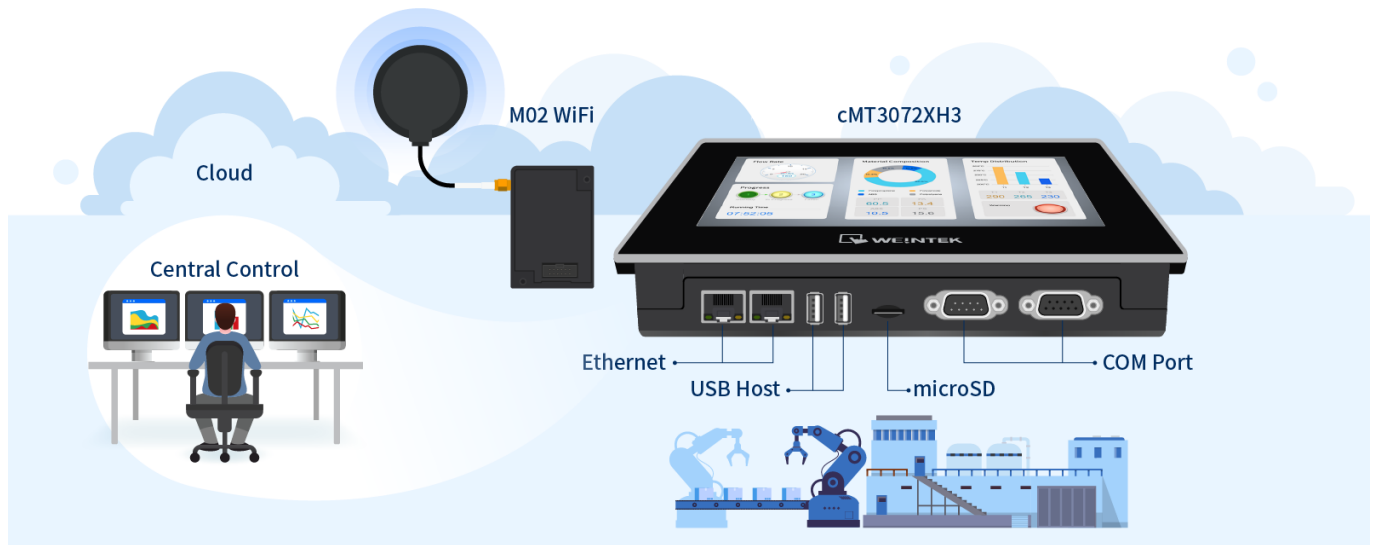
To meet these evolving demands, Weintek introduces its new flagship 7-inch cMT X Advanced model—the cMT3072XH3. Powered by a **high-performance CPU** and equipped with **rich I/O connectivity**, it is also **the first 7-inch HMI to support the M02 WiFi expansion module**, setting a new benchmark in capability.

Designed for automation factories advancing toward digital transformation, the cMT3072XH3 combines flexible wiring, powerful software functionality, and broad industrial protocol support. This HMI seamlessly connects factory-floor OT devices with IT and cloud systems, making it ideal for cross-platform integration.

Rich I/O and WiFi for Field Device Integration

The cMT3072XH3 introduces **M02 WiFi expansion module** capability to the 7-inch HMI class, enabling wireless transmission of on-site data and significantly reducing wiring challenges in retrofit projects or special environments. Equipped with versatile I/O connectivity—including **dual Ethernet ports, two serial ports, two USB Host ports, and microSD card expansion**—it simplifies data access and system integration, making the cMT3072XH3 a powerful communication bridge on the factory floor.

Rich I/O for On-site Demands



Complete IIoT Data Capabilities for External Platforms

As an advanced HMI model, the cMT3072XH3 fully unlocks EasyBuilder Pro functionality and supports activation of Weincloud and CODESYS services. Without adding extra hardware, the HMI becomes a central on-site data hub, delivering key advantages:


- **Extensive IIoT Protocol Support:** Supports OPC UA Server, Modbus, and more, enabling secure, high-speed data exchange with IT systems such as SCADA and ERP.
- **SQL Database Integration:** Synchronizes historical data and alarm logs to external SQL databases for big data analytics and production traceability.
- **Cloud MQTT Connectivity:** Seamlessly integrates with major cloud platforms, including AWS IoT and Azure IoT Hub, allowing on-site data to connect to the cloud in real time with high security.

All-Round Industrial-Grade Hardware Performance

Along with its powerful software ecosystem, the cMT3072XH3 is engineered with robust industrial hardware inside and out. It features a **quad-core processor, 4 GB Flash, and 1 GB RAM**, ensuring smooth performance even when handling large data volumes or multiple communication protocols simultaneously.

For harsh environments, the **PCB coating** provides added protection, ensuring stable operation at altitudes of up to **3,000 meters**. The resistive front panel meets **NEMA 4** and **IP66** protection ratings, effectively resisting water and dust to extend service life. Certified to **CE and UL standards**, the cMT3072XH3 delivers trusted, internationally recognized quality.

[cMT3072XH3 3D view](#)

	cMT3072XH3 	
Display	7" WVA (Wide Viewing Angle)	
Resolution	1024 × 600	
Touch Panel	4-wire Resistive Type	
Processor	Quad-core RISC	
FLASH/RAM	4 GB / 1 GB	
SD Card Slot	microSD × 1	
USB Host	USB 2.0 × 2	
Ethernet	LAN 1: 10/100 Base-T × 1 LAN 2: 10/100 Base-T × 1	
COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W	
PCB Coating	Yes	
Enclosure	Plastic	
Dimensions W×H×D	200.3 × 146.3 × 36 mm	
Panel Cutout	192 × 138 mm	
Mount	Panel Mount	
Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	
Operating Temperature	0° ~ 55°C (32° ~ 131°F)	
Altitude	3,000 m	
Certificate	CE marked, cULus Listed	
Software	EasyBuilder Pro	V6.10.01 or later
	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
	CODESYS®	Optional

[Open the booklet / download PDF](#)