

Handheld HMI, 10.1", 1024 x 600 LCD, cMT3106XM



- Key switch, emergency stop switch and 3-position activation switch
- Fanless cooling system
- 10.1" 1024 × 600 LCD with wide viewing angle
- Resistive touch panel
- 1x COM port , 1x Ethernet port , 1 x SD/SDHC slot , 1 x USB, host port
- Wide input voltage range: 24±20% VDC
- Integrated 4 GB flash memory and 1 GB RAM
- MPI 187.5K support
- Full housing protection according to IP65
- Wall bracket for secure installation

<https://www.wachendorff-prozesstechnik.de/en/cmt3106xm>

Description

The cMT3106XM from Weintek is a high-quality 10.1" WVA handheld HMI with touch display and rugged housing for mobile operation in industrial environments. It features a wide viewing angle (WVA) LCD with a resolution of 1024 × 600, LED backlighting, and a resistive touch panel for intuitive on-site operation.

The device is equipped with 4 GB flash memory, 1 GB RAM, and a quad-core RISC processor, enabling it to reliably run HMI applications. The communication interfaces include 1× Ethernet port, 1× USB host port, 1× SD/SDHC card slot, and a serial COM port (RS-485) for connection to automation and control systems.

For increased safety and ease of use, the device is equipped with a key switch, emergency stop switch, and 3-position enable switch. The robust housing offers IP65 protection against dust and water and can be mounted using the supplied wall bracket.

The handheld HMI comes with an integrated connection cable that provides power and data transmission – either 6 m (cMT3106XM06) or 10 m (cMT3106XM10).

The device supports development and configuration via EasyBuilder Pro. Optionally, EasyAccess 2.0 can be used for remote access and dashboard functions via Weincloud.

Product details

Display:	Size: 10.1 inch wide viewing angle (WVA) Resolution: 1024 x 600 pixels Brightness: 350 cd/m² Contrast: 1000:1 Backlight: LED Backlight lifetime: >50.000 hours Colors: 16.7 million LCD Viewing angle (up/down/left/right): 89/89/89/89 Pixel pitch (mm): 0.2175 (H) × 0.2088 (V)
Touch display:	Type: 4-wire analog resistive. Accuracy: Active range length (X) ±2 %, width (Y) ±2 %
Memory:	Flash: 4 GB RAM: 1 GB
Processor:	Quad-core RISC

Interfaces:	SD card slot: SD/SDHC USB Host: 1x USB 2.0 USB Client: No Ethernet: 1 x 10/100 Base-T COM Port: COM2 RS485 2-/4-wire MPI is supported RS485 Isolation: No CAN Bus: Yes Audio Output: No
Real-time clock:	Integrated real-time clock RTC
Power supply:	Input voltage: 24±20% VDC Galvanic isolation (input voltage from system voltage): integrated Current consumption: 480 mA at 24 VDC Dielectric strength: 500 VAC (1 min.) Insulation strength: >50 MOhm at 500 VDC Shock resistance: 10 Hz to 25 Hz (X,Y, Z direction 2 G 30 minutes)
Specifications:	PCB Circuit board coating: Yes Housing: Plastic Dimensions (WxHxD): 302.7 mm x 240 mm x 116.8 mm Weight: approx. 1.6 kg Mounting: Wall bracket
Key switch:	Contacts: 1 NO contact (NO), 1 NC contact (NC) Rated operating voltage: 24 V DC Rated operating current: 500 mA Mechanical service life: >250,000 actuations
Emergency stop switch:	Contacts: 2 NC contacts (NC) Rated operating voltage: 30 V DC Rated operating current: 500 mA Standards: IEC 60947-5-1, EN 60947-5-1, IEC 60947-5-5, EN 60947-5-5, UL 60947-5-5, NFPA 79, CSA C22.2 No.14, GB 14048.5 Mechanical service life: >250,000 operations

3-position activation switch:	Contacts: 2 NO contacts (NO) Rated operating voltage: 30 V DC Rated operating current: 500 mA Standards: IEC/EN 60947-5-8, IEC/EN 60947-5-1, UL 508, CSA C22.2 No.14, GS-ET-22 Mechanical service life: Position 1 2 1: >1,000,000 actuations Position 1 2 3 1: >100,000 actuations
Protection class:	Complete housing protection in accordance with IP65
Ambient temperature:	Operating temperature: 0°C to 50°C Storage temperature: -20 °C to +60 °C Relative humidity: 10% to 90% (non-condensing) Vibration resistance: 10 to 25 Hz (X, Y, Z direction, 2g for 30 min.) Max. Drop height: 1.2 m
Certificates:	CE cULus listed
Software:	EasyBuilder Pro: from V6.10.01 EasyAccess 2.0 (optional) Dashboard: optional
Optional:	cMT-XMBS: Standard Connection Box cMT-XMBC: Compact Connection Box cMT-XM-ESP: E-Stop Bypass Plug cMT-XM-WMB: Wall Mount Bracket for HMI RZACEA020: EasyAccess 2.0 Activation Card
Customs tariff number:	85371098
Manufacturer:	Weintek Labs, Inc

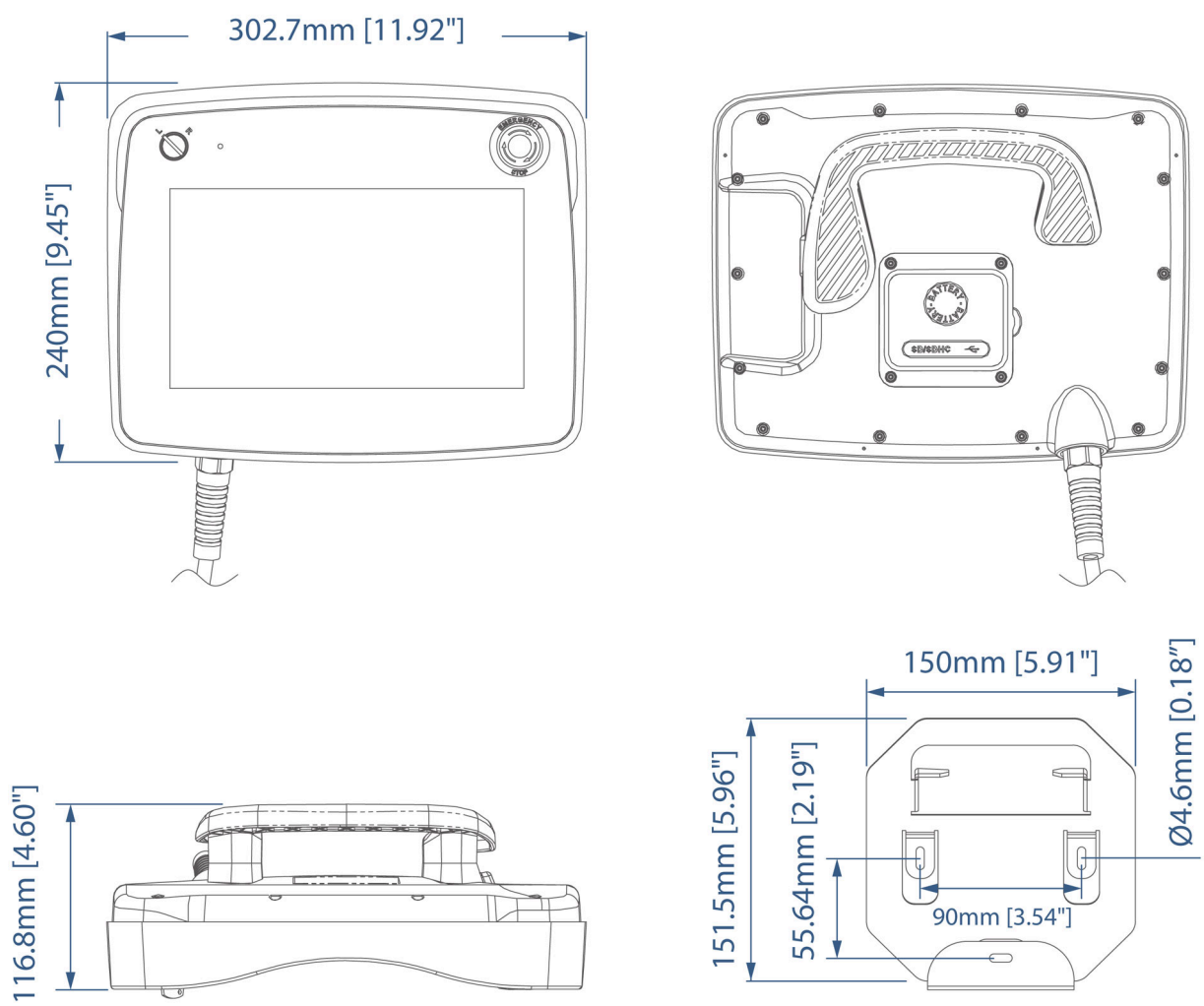
Products Order no.

cMT3106XM06	10.1" 1024 x 600 WVA LCD handheld HMI, integrated 4 GB flash memory / 1 GB RAM, 6 m cable
cMT3106XM10	10.1" 1024 x 600 WVA LCD handheld HMI, integrated 4 GB flash memory / 1 GB RAM, 10 m cable

Accessories Order no.

cMT-XMBS	Larger connection box for devices with more cables/connections.
cMT-XM-ESP	cMT-XM-ESP, robust E-Stop bypass for handheld HMIs
cMT-XMBC	cMT-XMBC, Compact Connection Box

Drawings
Dimensions and STEP Viewer:





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