cMT3106XM

10.1" WVA Handheld HMI

Feature

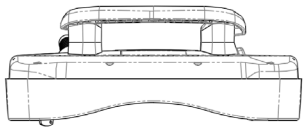
- Mode selector key switch, emergency stop switch, and 3-position enable switch
- 10.1" 1024 × 600 Wide Viewing Angle LCD
- Resistive touch panel
- COM port × 1, Ethernet port × 1, SD/SDHC slot × 1, USB host port × 1
- Built- in 4GB Flash and 1GB RAM
- MPI 187.5K support
- Fan-less cooling system
- IP65-rated full enclosure protection
- Wall-mount bracket for secure installation

Display	Display	10.1” Wide Viewing Angle (WVA)
	Resolution	1024 x 600
	Brightness (cd/m^2)	350
	Contrast Ratio	1000:1
	Backlight Type	LED
	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) × 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		Quad-core RISC
I/O Port	SD Card Slot	SD/SDHC
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	10/100 Base-T x 1
	COM Port	COM2 RS-485 2W/4W
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	Audio Output	N/A
Key Switch	Contacts	NO x 1, NC x 1
	Rated Operating Voltage	24 VDC
	Rated Operating Current	500 mA
	Mechanical Life	>250,000 operations
Emergency Stop Switch	Contacts	NC x 2
	Rated Operating Voltage	30 VDC
	Rated Operating Current	500 mA
	Standards	IEC60947-5-1, EN60947-5-1, IEC60947-5-5, EN60947-5-5, UL60947-5-5, NFPA79, CSA C22.2 No.14, GB14048.5
	Mechanical Life	>250,000 operations
3-Position Enable Switch	Contacts	NO x 2
	Rated Operating Voltage	30 VDC
	Rated Operating Current	500 mA
	Standards	IEC/EN 60947-5-8, IEC/EN 60947-5-1, UL508, CSA C22.2 No.14, GS-ET-22
	Mechanical Life	Position 1→2→1: >1,000,000 operations Position 1→2→3→1: >100,000 operations
RTC		Built-in
Power	Input Power	24±20%VDC*
	Power Isolation	Built-in
	Power Consumption	480mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	302.7 x 240 x 116.8 mm
	Weight	Approx. 1.6 kg
	Mount	Wall Mount Bracket

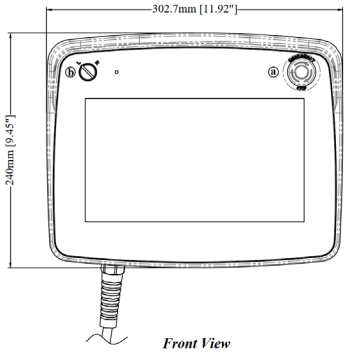
Environment	Protection Structure	IP65
	Max. Fall Height	1.2 m
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Altitude	3,000 m
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed
Software	EasyBuilder Pro	V6.10.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)

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

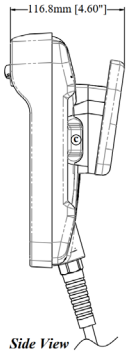
Dimensions



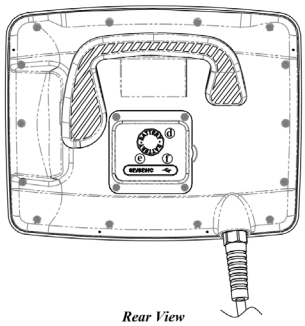
Top View



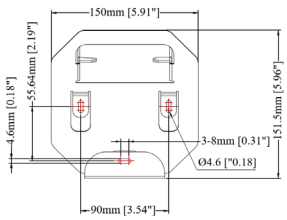
Front View



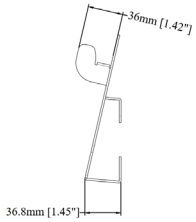
Side View



Rear View



Front View



Side View

a	Emergency Stop Switch	***d***	Battery
b	Key Switch	***e***	SD Card Slot
c	3-Position Enable Switch	***f***	USB Host

Ordering Information

- ❑ **cMT3106XM06:**
  10.1" 1024 x 600 WVA LCD Handheld HMI,
  Built-in 4GB Flash / 1GB RAM, 6m Cable
- ❑ **cMT3106XM10:**
  10.1" 1024 x 600 WVA LCD Handheld HMI,
  Built-in 4GB Flash / 1GB RAM, 10m Cable

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