cMT2158X

HMI with 15" XGA IPS Display

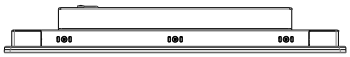
Feature

- 15" 1024 x 768 IPS LCD
- Quad-core Cortex-A17 CPU with High Performance dedicated 3D Processor
- Fan-less Cooling System
- Built- in 4GB Flash Memory and RTC
- SD Card Slot Supports SD/SDHC Cards
- COM1 / COM3 RS-485 Built-in Isolation
- Built-in Power Isolator
- NEMA4/IP66 Compliant Front Panel

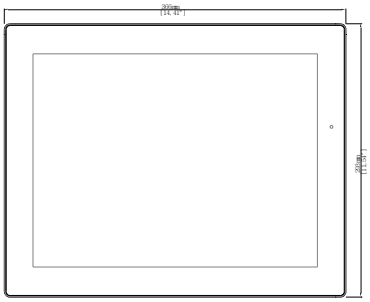
Display	Display	15” IPS
	Resolution	1024 x 768
	Brightness (cd/m^2)	400
	Contrast Ratio	1000:1
	Backlight Type	LED
	Backlight Life Time	>50,000 hrs.
	Colors	16.2M
	LCD Viewing Angle (T/B/R/L)	89/89/89/89
	Pixel Pitch (mm)	0.297(H) x 0.297(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area 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	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	COM Port	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.
	RS-485 Isolation	Yes
	CAN Bus	N/A
	HDMI	N/A
	Audio Output	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	1.3A@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
Specification	PCB Coating	Yes
	Enclosure	Aluminum
	Dimensions WxHxD	366 x 293 x 48.2 mm
	Panel Cutout	352 x 279 mm
	Weight	Approx. 2.6 kg
	Mount	Panel mount, VESA mount 75 x 75 mm
Environment	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)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed
Software	EasyBuilder Pro	V6.05.02 or later versions
	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.
* Dashboard requires EasyBuilder Pro V6.06.01 or later versions.
* CODESYS® is a trademark of 3S-Smart Software Solutions GmbH.

Dimensions

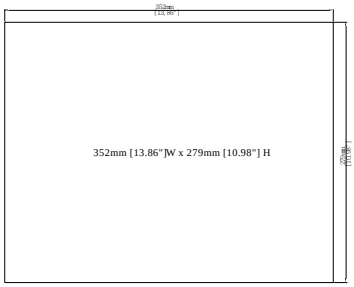


Top View

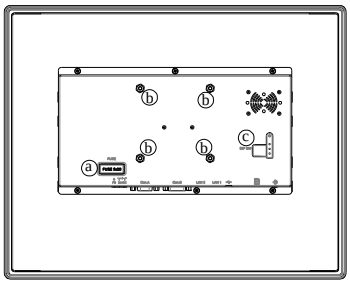


Front View

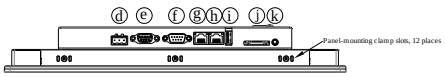
Side View



Cutout Dimensions



Rear View



Bottom View

a	Fuse	***g***	LAN 2
b	VESA 75mm Screw Holes	***h***	LAN 1
c	DIP SW	***i***	USB Host port
d	Power Connector	***j***	SD Card Slot
e	COM1 RS-485 2W/4W, COM3 RS-485 2W, (Con.A)	***k***	Line Out
f	COM1 RS-232 4W, COM3 RS-232 2W (Con.B)		

Ordering Information

❑ **cMT2158X:**
15" IPS LCD HMI, 4GB flash memory, 1GB RAM on board

Optional:

❑ **RZACEA020:** EasyAccess 2.0 Activation Card

❑ **RZ0CDS000:** CODESYS activation card & license sticker

Pin Assignment:

Con. B: COM1 / COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]4W	COM3 [RS232]2W
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	TxD
8	CTS	RxD
9	GND	

Con. A: COM1 / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM1 [RS485]2W	COM1 [RS485]4W	COM3 [RS485]2W
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND (isolation)		
6			Data-
7			
8			
9			Data+