cMT3151

HMI with 15" XGA TFT Display

Feature

- Aluminum Housing
- Video Input Ports Support NTSC and PAL
- 15" 1024 x 768 TFT LCD
- Fan-less Cooling System
- Built- in 4GB Flash Memory and RTC
- SD Card Slot Supports SD/SDHC Cards
- COM1 / COM3 RS-485 2W Supports MPI 187.5K
- CAN Bus Supports CANopen Protocol
- COM1 / COM3 RS-485 & CAN Bus Built-in Isolation
- Built-in Power Isolator
- NEMA4/IP65 Compliant Front Panel
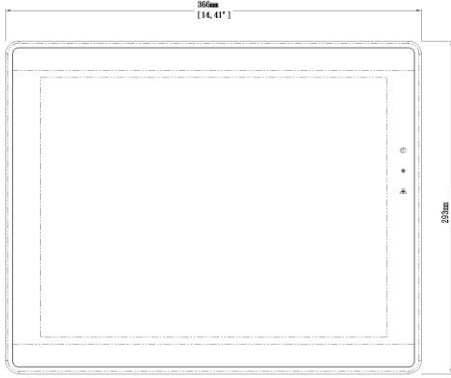- Built-in EasyAccess 2.0 License

Display	Display	15" TFT
	Resolution	1024 x 768
	Brightness (cd/m^2)	400
	Contrast Ratio	700:1
	Backlight Type	LED
	Backlight Life Time	>50,000 hrs.
	Colors	16.2M
	LCD Viewing Angle (T/B/R/L)	70/70/80/80
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	4 GB
	RAM	1 GB
Processor		32 bits RISC Cortex-A9 1GHz
I/O Port	SD Card Slot	SD/SDHC
	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1 (Micro USB)
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	COM Port	COM1: RS-232/RS-485 2W/4W, COM3: RS-232/RS-485 2W*
	RS-485 Isolation	Yes
	CAN Bus	Yes
	HDMI	N/A
	Audio Output	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1
	Video Input	NTSC/PAL RCA x 2
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	900mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes
	Enclosure	Aluminum
	Dimensions WxHxD	366 x 293 x 48.2 mm
	Panel Cutout	352 x 279 mm
	Weight	Approx. 2.45 kg
	Mount	Panel mount, VESA mount 75 x 75 mm
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 70°C (-4° ~ 158°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
	UL	cULus Listed
Software		EasyBuilder Pro

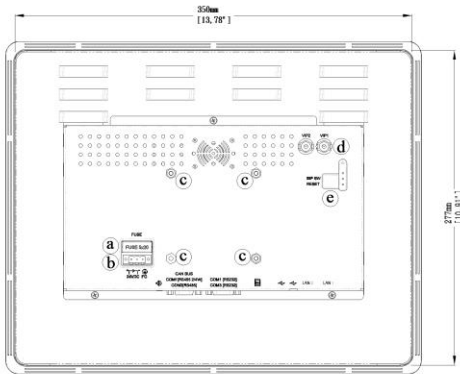***Note:** COM1 RS-232 RTS/CTS and COM3 RS-232 cannot be used simultaneously.
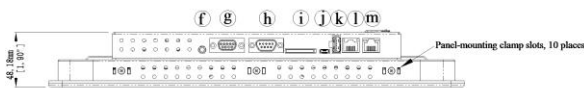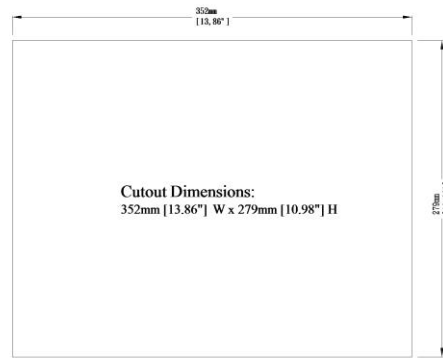
Dimensions

Top View

Front View

Side View

Rear View

Cutout Dimensions:
352mm [13.86"] W x 279mm [10.98"] H

Bottom View

Panel-mounting clamp slots, 10 places

a	Fuse	**h**	COM1 RS-232, COM3 RS-232
b	Power Connector	**i**	SD CARD SLOT
c	VESA 75mm Screw Holes	**j**	USB Client port
d	Video Input Port x 2	**k**	USB Host port
e	DIP SW & Reset Button	**l**	LAN 2
f	Line Out	**m**	LAN 1
g	COM1 RS-485, COM3 RS-485, CAN Bus		

Ordering Information

❏ **cMT3151:**

15" TFT LCD HMI, 4GB flash memory, 1GB RAM on board, Video Input Port RCA x 2, Built-in EasyAccess 2.0 license

❏ **RP0081500 (included in package)**
PET V1.0 Screen Protective Film

Pin Assignment:

9 Pin, Male, D-sub COM1 / COM3 [RS232]

PIN#	Symbol	COM1 [RS232]	COM3 [RS232]
1	Not used		
2	RxD	Received Data	
3	TxD	Transmitted Data	
4	Not used		
5	GND	GND	
6	Not used		
7	RTS	Ready to send output	Transmitted Data
8	CTS	Clear to send input	Received Data
9	Not used		

9 Pin, Female, D-sub COM1 / COM3 [RS485]/ CAN Bus

PIN #	Symbol	COM1 [RS485]2w	COM1 [RS485]4w	COM3 [RS485]	CAN Bus
1	Rx-	Data-	Rx-		
2	Rx+	Data+	Rx+		
3	Tx-		Tx-		
4	Tx+		Tx+		
5	GND	GND (isolation)			
6	Data-			Data-	
7	CAN_L				CAN_L
8	CAN_H				CAN_H
9	Data+			Data+	