



Feature

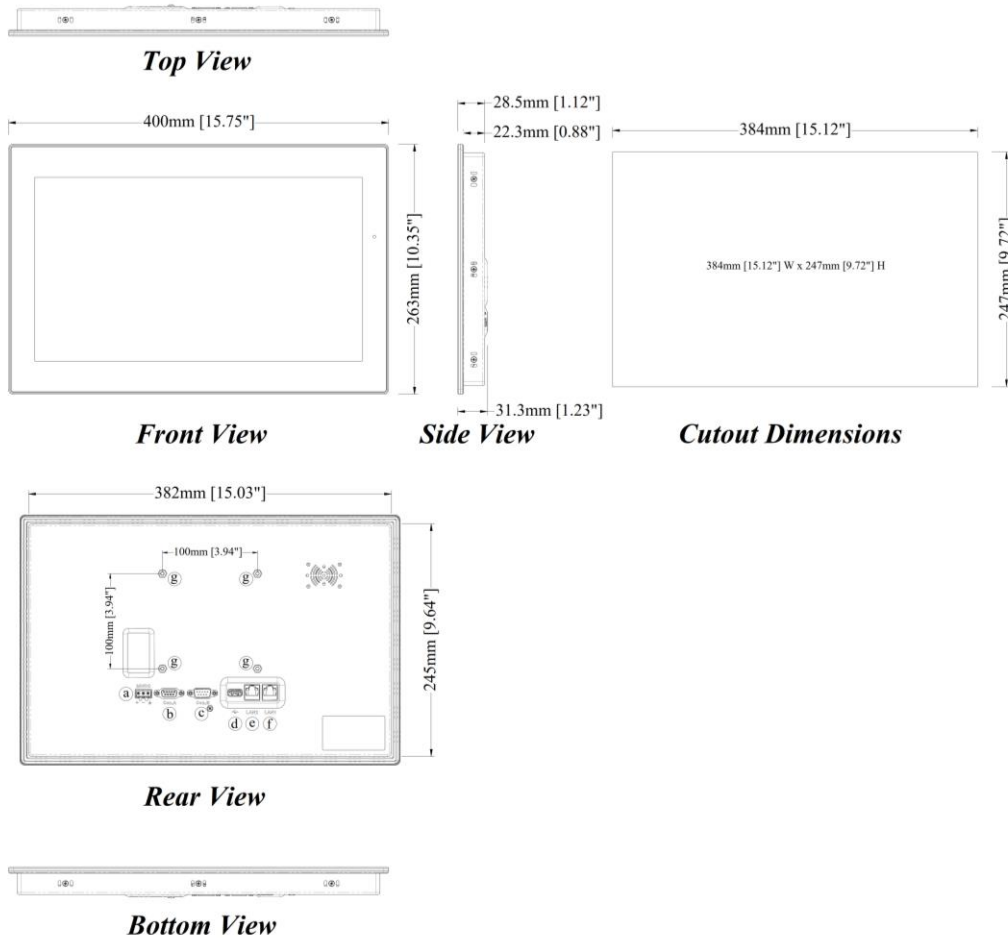
- Aluminum enclosure ensures reliable operation in harsh environments
- 15.6" 1920 x 1080 Wide Viewing Angle LCD
- Resistive touch panel
- COM port × 2, Ethernet port × 2, USB host port × 1
- Built-in 4GB Flash and 1GB RAM
- COM1 / COM3 RS-485 2W supports MPI 187.5K, please use one at a time.
- Fan-less Cooling System

Display	Display	15.6" Wide Viewing Angle (WVA)
	Resolution	1920 x 1080
	Brightness (cd/m ²)	500
	Contrast Ratio	1500:1
	Backlight Type	LED
	Backlight Life Time	>50,000 hrs.
	Colors	16.2M
	LCD Viewing Angle (T/B/L/R)	85/85/85/85
	Pixel Pitch (mm)	0.17925(H) x 0.17925(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	N/A
	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*
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	Audio Output	Built-in Mono Speaker
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 at 500VDC
Specification	PCB Coating	Yes
	Enclosure	Aluminum
	Dimensions WxHxD	400 x 263 x 31.3 mm
	Panel Cutout	384 x 247 mm
	Weight	Approx. 2.1 kg
	Mount	Panel mount, VESA mount 100 x 100 mm
Environment	Protection Structure	NEMA4 / IP66 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 55°C (32° ~ 131°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
Software	EasyBuilder Pro	V6.10.01 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.

*CODESYS® is a trademark of CODESYS GmbH.

Dimensions



a	Power Connector
b	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W
c	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
d	USB Host Port
e	LAN 2
f	LAN 1
g	VESA 100 mm Screw Holes

Ordering Information

□ cMT2168X:

15.6" 1920 x 1080 WVA LCD HMI, Built-in 4GB flash memory / 1GB RAM on board

Optional:

- **RZACEA020**: EasyAccess 2.0 Activation Card
- **RZ0CDS000**: CODESYS License

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		
6			Data-
7			
8			
9			Data+