DISAI Automatic Systems
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cMT3072X

HMI with 7" TFT Display

Feature

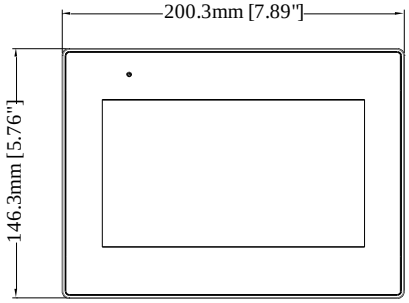
- 7" 800 x 480 TFT LCD, LED Backlight
- Quad-core Cortex-A35 CPU with High Performance dedicated 3D Processor
- Fan-less Cooling System
- Built- in 4GB Flash Memory and RTC
- CAN Bus Supports CANopen, CAN Bus 2.0A/2.0B and SAE J1939
- Built-in Power Isolator
- NEMA4 / IP66 Compliant Front Panel

Display	Display	7” TFT
	Resolution	800 x 480
	Brightness (cd/m^2)	400
	Contrast Ratio	800:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/R/L)	60/80/80/80
	Pixel Pitch (mm)	0.1926(H) x 0.179(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 64-bit RISC 1.5 GHz
I/O Port	SD Card Slot	N/A
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.
	RS-485 Dual Isolation	N/A
	CAN Bus	Yes
	HDMI	N/A
	Audio Output	N/A
	Video Input	N/A
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	850mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	200.3 x 146.3 x 35.0 mm
	Panel Cutout	192 x 138 mm
	Weight	Approx. 0.6 kg
	Mount	Panel mount
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° ~ 55°C (32° ~ 131°F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
	UL	cULus Listed
Software		EasyBuilder Pro V6.04.02 or later versions EasyAccess 2.0 (Optional)

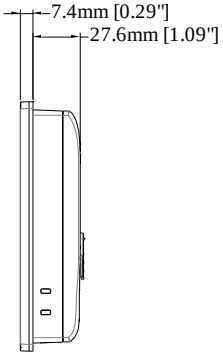
*Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

Dimensions

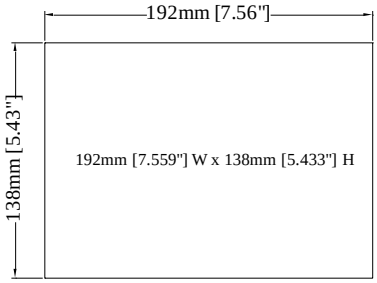
Top View



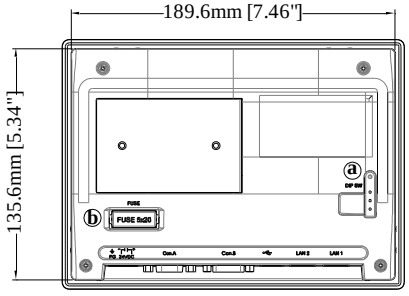
Front View



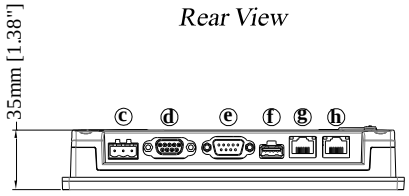
Side View



Cutout Dimensions



Rear View



Bottom View

a	DIP SW	***e***	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
b	Fuse	***f***	USB Host Port
c	Power Connector	***g***	LAN 2
d	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus	***h***	LAN 1

Accessories

❑ **cMT3072X:**
7" TFT LCD HMI, 4GB flash memory, 1GB RAM on board, Built-in
❑ **RP0060700 (included in package)**
7' Screen Protective Film
❑ **RZUSK7010 (included in package)**
USB Clamp & Tying Strap

Optional:
❑ **RZACEA020:** EasyAccess 2.0 Activation Card

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: COM2 / COM3 [RS485]/ CAN Bus, 9 Pin, Female, D-sub

PIN#	COM2 [RS485]2W	COM2 [RS485]4W	COM3 [RS485]2W	CAN Bus
1	Data-	Rx-		
2	Data+	Rx+		
3		Tx-		
4		Tx+		
5	GND			
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	

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