WEINTEK

cMT-FHDX-820

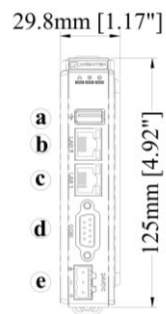### HMI with external touchscreen

Feature

- Full HD 1080p High Resolution HDMI™ Output
- Quad-core CPU with High Performance dedicated 3D Processor
- Plays video in high resolution, video decode 1080p H.264
- Supports customized resolution for 16:9 / 4:3 LCD monitor.
- Compact Design and DIN-rail Mountable
- Fan-less Cooling System
- Built- in 4GB Flash Memory and RTC
- One USB Host Port
- Gigabit Ethernet Port
- Supports MPI 187.5K
- Built-in Power Isolator

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

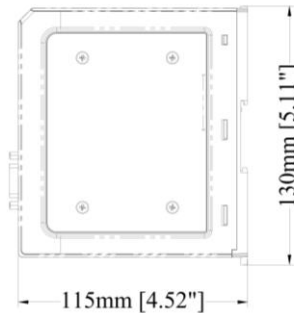|		
Memory	Flash	4 GB
	RAM	1 GB
Processor		Quad-core RISC
I/O Port	SD Card Slot	Micro SD x1
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	COM Port	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	HDMI Output	Customizable (max. resolution 1920 x 1080)
	Recommended Resolutions (Please use these recommended screen resolutions to avoid compatibility issues.)	720x480 720x576 800x600 1024x768 1280x720 1920x1080
	Audio Output	HDMI Audio Output
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
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	29.8 x 130 x 115 mm
	Weight	Approx. 0.24 kg
	Mount	35mm DIN rail mounting
Environment	Protection Structure	IP20
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Altitude (Air Pressure)	Below 3,000 meters (70.1kPa)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed
Software	EasyBuilder Pro	V6.09.02 or later versions
	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
	CODESYS®	Optional

* The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
* CODESYS® is a trademark of CODESYS GmbH.

Dimensions

29.8mm [1.17"]

125mm [4.92"]

Front View

130mm [5.11"]

115mm [4.52"]

Side View

Top View

Bottom View

a	USB Host Port	**f**	HDMI Port
b	LAN 2	**g**	Micro SD Card Slot
c	LAN 1	**h**	DIP Switch
d	COM1: RS-232 2W, COM2: RS-485 2W/4W, COM3: RS-485 2W	**i**	Reset Button
e	Power Connector		

Ordering Information

❑ **cMT-FHDX-820:**
   4GB flash memory, 1GB RAM on board,
   10/100/1000M Ethernet port x 1,
   10/100M Ethernet port x 1

Optional:
   ❑ **RZACEA020:** EasyAccess 2.0 Activation Card
   ❑ **RZ0CDS000:** CODESYS License

Pin Assignment:

COM1 [RS232], COM2 / COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1 [RS-232] 2W	COM2 [RS-485] 2W	COM2 [RS-485] 4W	COM3 [RS-485] 2W
1				Data+
2	RxD			
3	TxD			
4				Data-
5	GND			
6		Data+	Rx+	
7		Data-	Rx-	
8			Tx+	
9			Tx-	