

## HMI with external touchscreen



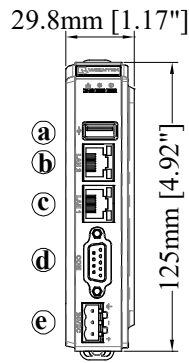
### Feature

- Full HD 1080p High Resolution HDMI™ Output
- Two 2D Graphics Engine
- 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
- Wide input voltage range: 10.5~28VDC

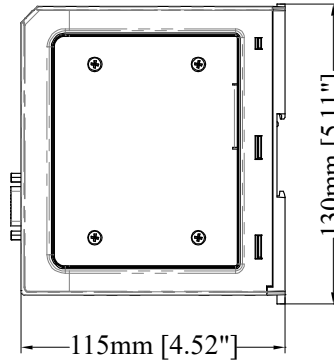
<b>Memory</b>	Flash	4 GB
	RAM	1 GB
<b>Processor</b>		32-bit RISC Cortex-A9 1GHz (Two 2D Graphics Engine)
<b>I/O Port</b>	SD Card Slot	N/A
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	COM Port	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	HDMI Output	Resolution 1920 x 1080 (customizable)
	Audio Output	HDMI Audio Output
	Video Input	N/A
<b>RTC</b>		Built-in
<b>Power</b>	Input Power	10.5~28VDC
	Power Isolation	Built-in
	Power Consumption	1250mA@12VDC ; 550mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
<b>Specification</b>	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	29.8 x 130 x 115 mm
	Weight	Approx. 0.24 kg
	Mount	35mm DIN rail mounting
<b>Environment</b>	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)
<b>Certificate</b>	CE	CE marked
	UL	cULus Listed
<b>Software</b>		EasyBuilder Pro V6.02.01 or later versions

\*The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

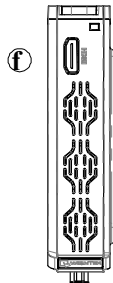
## Dimensions



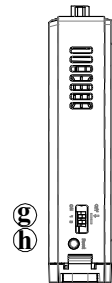
*Front View*



*Side View*



*Top View*



*Bottom View*

<b>a</b>	USB Host Port	<b>f</b>	HDMI Port
<b>b</b>	LAN 2	<b>g</b>	DIP Switch
<b>c</b>	LAN 1	<b>h</b>	Default Button
<b>d</b>	COM1: RS-232, COM2: RS-485 2W/4W, COM3: RS-485 2W		
<b>e</b>	Power Connector		

## Ordering Information

- cMT-FHD:**  
4GB flash memory, 1GB RAM on board, 10/100/1000M Ethernet port x 1, 10/100M Ethernet port x 1
- RZC232300 (Optional)**  
Multi-connector cable  
COM1[232]/COM2[485]/COM3[485]

### Pin Assignment:

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

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