



HMI with external touchscreen

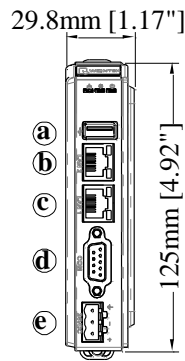
Feature

- 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

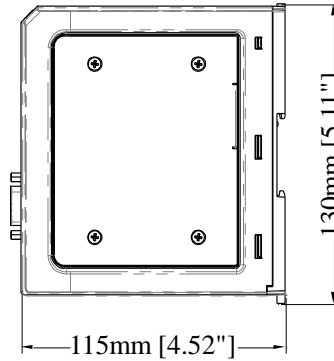
| | | |
|----------------------|-----------------------|---|
| Memory | Flash | 4 GB |
| | RAM | 1 GB |
| Processor | | 32-bit RISC Cortex-A9 1GHz (Two 2D Graphics Engine) |
| I/O Port | SD Card Slot | N/A |
| | USB Host | USB 2.0 x 1 |
| | USB Client | N/A |
| | Ethernet | LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1 |
| | COM Port | 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 |
| RTC | | Built-in |
| Power | 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) |
| 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) |
| Certificate | CE | CE marked |
| | UL | cULus Listed |
| Software | | 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.

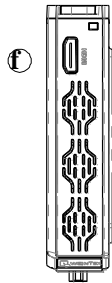
Dimensions



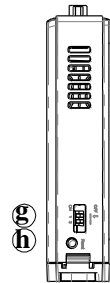
Front View



Side View



Top View



Bottom View

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