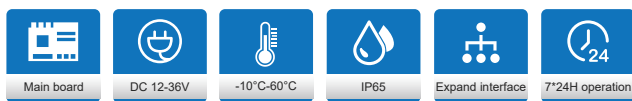


The overall structure is made of 3mm ultra-thin aluminum alloy frame, fanless and totally enclosed design, equipped with self-developed industrial display drive board, low power consumption, and widely used in industrial control, military industry, communication, power, network, intelligent self-service terminal equipment and other automation applications.

## Features

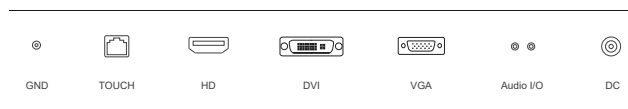
- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- High precision aluminum alloy material.
- Self-developed display drive board with multiple touch modes
- Industrial protection, Applicable to various harsh environments.
- Support VGA, HDMI, DVI, Automatic identification signal channel



## Product Model

|                  |           |
|------------------|-----------|
| Product Size     | 12,1"     |
| Non-touch        | OVEM-121G |
| Capacitive touch | OVEM-121C |
| Resistive touch  | OVEM-121R |

## Product Interface



## Product Specifications

### Screen Parameters

|                |                       |  |  |
|----------------|-----------------------|--|--|
| LCD size       | 12.1" TFT LCD         |  |  |
| Resolution     | 1280*800              |  |  |
| Viewing angle  | 65/65/50/65 (L/R/U/D) |  |  |
| Colour         | 16.7M                 |  |  |
| Brightness     | 300 cd/m <sup>2</sup> |  |  |
| Contrast ratio | 350:1                 |  |  |

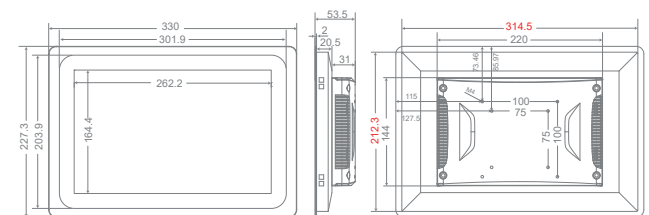
### Touch Parameters

|                          |  |   |           |
|--------------------------|--|---|-----------|
| Touch type               | 10-point touch projection<br>Capacitive touch screen | Single-point<br>Resistance touch screen | Non-touch |
| Transmittance            | ≥88%   | ≥78%                                    | ≥92%      |
| Input mode               | Handwriting or<br>Capacitance pen                    | Fingertip or stylus                     | /         |
| Controller communication | USB  | USB                                     | /         |

### Hardware Configuration

|              |                            |
|--------------|----------------------------|
| CPU          | RTD2513                    |
| Key function | AUTO/MENU/POWER/LEFT/RIGHT |

## Product Size



### Physical Characteristics

|                    |                       |
|--------------------|-----------------------|
| Overall dimensions | W330x H227.3x D53.5mm |
| Size of opening    | W316.5 x H214.3mm     |

### Interface Parameters

|                  |  |
|------------------|--|
| Grounding column | Support (1*GND)  |
| Power interface  | 1*DC.1, Support 12V-36V wide voltage power supply        |
| HDMI             | 1*HDMI, Support HDMI data input, With a maximum of 1080P |
| Touch interface  | 1*TOUCH (RJ45)   |
| VGA              | 1*VGA, Analog signal transmission                        |
| DVI              | 1*DVI, Digital signal transmission                       |
| Audio interface  | 1*Audio I/O, Support audio input and output              |

### Product Reliability Parameters

|                       |  |
|-----------------------|--|
| Working temperature   | -10°C~60°C                                       |
| Storage temperature   | -20°C~70°C                                       |
| Relative humidity     | Humidity: 95% Non-Condensing                     |
| Vibration protection  | IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 hr/axis    |
| Impact protection     | IEC 60068-2-27, Half sine wave, Lasting for 11ms |
| Product certification | CCC/CE/FCC/EMC/CB/ROHS                           |
| Waterproof grade      | The front panel reaches IP65 protection level    |

### Power Parameters

|              |            |
|--------------|------------|
| Power input  | DC 12V~36V |
| Static power | 18W        |

|                 |  |
|-----------------|--|
| System language | Multilingual (default: English)                            |
| Video input     | PC-RGB:Format Up to 1920*1080@60HZ Color 16bit/24bit/32bit |