



### Features:

- Modular designed, aluminum-magnesium alloy, anodized treated;
- 12.1" TFT LCD Display, LED Backlit, XGA 1024\*768;
- High temp. 5-wires Resistive touchscreen, EETI controller;
- USB touch interface, optional RS232 touch interface;
- DC 12V power input, optional wide DC 9 ~36v input;
- Dual signal inputs: 1 VGA, 1 DVI;
- Panel mount, VESA 75/100 mount, Front IP65 rated protection
- Optional outdoor high brightness and optical bonding features.

### Specification

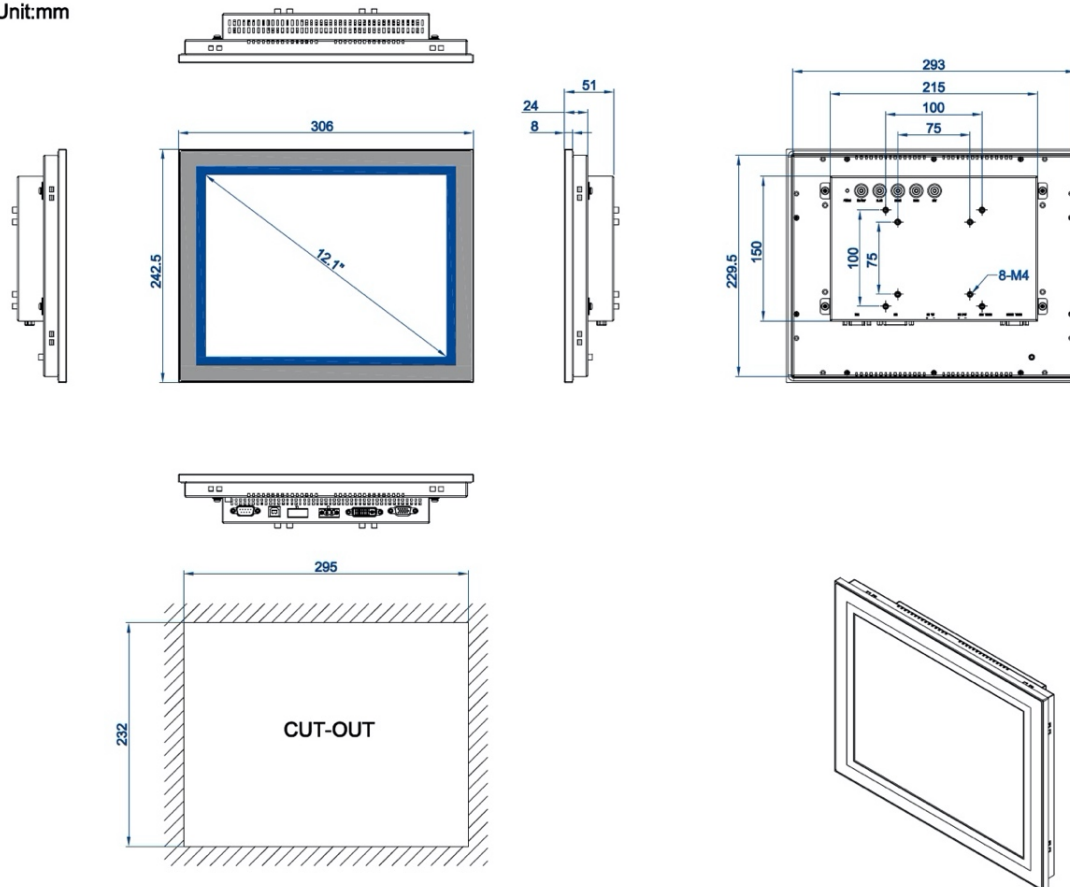


|                                  |   |  |
|----------------------------------|---|--|
| <b>Basic</b>                     | Front Panel                               | Magnesium-aluminum alloy, anodized treatment       |
|                                  | Rear Panel                                | SGCC Plate sheet, sand-blasting                    |
|                                  | Control Button                            | OSD button on top of backside                      |
|                                  | Signal Input                              | 1 VGA, 1 DVI                                       |
|                                  | Mount Method                              | Panel mount, VESA 75/100                           |
|                                  | Overall Dimension                         | 306.0 * 242.5 * 51.0 (mm)                          |
|                                  | Cut-out Dimension                         | 295 * 232 (mm)                                     |
|                                  | Net Weight                                | 2.7KG  |
| IP Rate                          | Front Surface IP65 water-proof/Dust-proof |  |
| <b>LCD Display</b>               | Size/Type                                 | 12.1" TFT LCD Display                              |
|                                  | Resolution                                | 1024 * 768 (XGA)                                   |
|                                  | Brightness                                | 350 nits   |
|                                  | Contrast Ratio                            | 800:1  |
|                                  | Backlit & Lifetime                        | LED Backlit & 30K hours                            |
|                                  | Display Area                              | 245.76 * 184.32 (mm)                               |
| View Angle                       | 80/80/80/80                               |  |
| <b>Touchscreen</b>               | Type                                      | High temp. 5-wires precision resistive touchscreen |
|                                  | Click Life                                | 35 million times /250g                             |
|                                  | Draw Life                                 | 5 million times /250g                              |
|                                  | Surface Hardness                          | MOHS 6H  |
|                                  | Touch Controller                          | EETI   |
|                                  | Touch Interface                           | USB touch (Optional RS232 touch interface)         |
| Special Treatment                | PET film laminated (Flat design)          |  |
| <b>Power &amp; Environmental</b> | Operating temp.                           | -20 ~ + 70 (°C)                                    |
|                                  | Storage temp.                             | -30 ~ + 70 (°C)                                    |
|                                  | Humidity                                  | 10 ~ 95% @ 10C (No condensation)                   |
|                                  | Vibration                                 | 50 ~ 500 Hz, 1.5G, 0.15mm peak to peak             |
|                                  | Shock                                     | 10G/Peak (11 ms)                                   |
|                                  | Power input                               | DC 12V (Optional wide voltage DC 9~36V)            |
|                                  | Power consumption                         | About 15W  |
|                                  | Certificate                               | CE/FCC/ROHS  |

## Dimension

DIMENSIONAL DRAWING:TM-PR121

Unit:mm



DIMENSIONS IN MILLIMETERS

**TAICEM**  
DATE:2019.06.13  
REV:A Unit:mm

## Ordering information

| Part no.             | Description  |
|----------------------|--|
| TM-PR121             | 12.1" LCD, XGA 1024 *768, Resistive Touch, USB Touch Interface, 1 VGA, 1 DVI, DC 12V, PSU  |
| TM-PR121S            | 12.1" LCD, XGA 1024 *768, Resistive Touch, <b>RS232 Touch Interface</b> , 1 VGA, 1 DVI, DC 12V, PSU                                      |
| TM-PR121W            | 12.1" LCD, XGA 1024 *768, Resistive Touch, USB Touch Interface, 1 VGA, 1 DVI, <b>DC 9~36V, No PSU by default</b>                         |
| TM-PR121L            | 12.1" LCD, XGA 1024 *768, <b>High brightness option</b> , Resistive Touch, USB Touch Interface, 1 VGA, 1 DVI, DC 12V, PSU                |
| TM-PR121L-OB         | 12.1" LCD, XGA 1024 *768, <b>High brightness &amp; optical bonding</b> , Resistive Touch, USB Touch Interface, 1 VGA, 1 DVI, DC 12V, PSU |
| Optional Accessories | Description  |
| HDMI Cable           | HDMI-DVI Cable, around 2.0m length   |
| DVI Cable            | DVI Cable, around 2.0m length  |
| PSU                  | 40W PSU (Extra for TM-PR121W model)  |
| COM Cable            | COM cable, around 1.8m length (For TM-PR121S model)  |

## Packing List

| Description                         | Quantity | Description                   | Quantity         |
|-------------------------------------|----------|-------------------------------|------------------|
| Standard TM-PR121                   | 1 piece  | VGA Cable, around 1.8m length | 1 piece          |
| 40W PSU                             | 1 set    | Power Cable & Plug            | 1 set            |
| USB Touch Cable, around 1.8m length | 1 piece  | Panel mount metal clips       | 1 set (8 pieces) |