



# 10.1 inch Capacitive Touch Panel PC

## ( Model:TD101E-A01 )



Version 2.6

We apologize that if something changed without notice.



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# 1、 Introduction

TouchWo capacitive touch all-in-one computer / monitor integrate the advantages of touch. Computer. Multimedia. Audio. internet, industrial design, structural innovation etc. is a convenient and new type of human-computer interaction equipment. A pure flat structure with excellent touch effects to make the query and display of information at fast speed, and do the human-computer interaction in a simple way .

## 1.1、 Functional Features

1. PCAP Touch: 10 points capacitive touch technology, 5ms rapid response, accuracy and stable
2. Display : Brand new LCD panel with A rated, 1920\*1200/1280\*800 resolution, brightness  $\geq 250\text{cd/m}^2$  .colors displayed clear and natural.
3. System : Touchscreen monitor, Android & Windows options
4. Quality Confirmed : Each machine has undergone multiple inspections such as machine aging, temperature and humidity testing, electrostatic testing, vibration, high voltage, touch and click, and display to ensure stable quality.;
5. Mechanical : Private module designed, air gap bonding, good seamless design, IP65 at front panel. Pure flat and slim
6. Material : Aluminum alloy frame /housing, unibody ,lighter and good looks, corrosion and oxidation resistance
7. Customization: customized is welcome. Flexible to add serial and USB numbers.  
(such as colors, logo, camera, LTE module, card reader, fingerprint module and POE power supply etc)
8. Installation: Support wall mount /desktop/embedded installations, plug and play



## 2、 Technical Parameters

|                               |                                                         |                    |                   |
|-------------------------------|---------------------------------------------------------|--------------------|-------------------|
| 2.1、 System                   |                                                         |                    |                   |
| Output (Android PC)           | HDMI output inside                                      |                    |                   |
| Input （Touchscreen monitor）   | VGA、 HDMI input                                         |                    |                   |
| Touch                         | PCAP,10 points touch,                                   |                    |                   |
| Display                       | HDMI/VGA 1080P                                          |                    |                   |
| Video decoding                | MPEG、 H.264 etc                                         |                    |                   |
| Design                        | alloy aluminum frame,metal sheet design, round corner   |                    |                   |
| System Integration            | Display ,touch, button switch                           |                    |                   |
| 2.2、 LCD Panel                |                                                         |                    |                   |
| Screen Type                   | A-Si,TFT-LCD,WLED back-light, A-type                    |                    |                   |
| Size                          | 10.1 inch (16:10)                                       |                    |                   |
| Display area                  | 218 （W） *136.5 （H） mm                                   |                    |                   |
| Resolution                    | 1920*1200/1280*800                                      |                    |                   |
| Brightness                    | ≥ 250 cd/m²                                             |                    |                   |
| Contrast ratio                | ≥ 800： 1                                                |                    |                   |
| Response time                 | 10/15(Typ.)(Tr/Td)                                      |                    |                   |
| Number of colors              | 16.7M , EDP 30 Pins                                     |                    |                   |
| Refresh rate                  | 60Hz                                                    |                    |                   |
| Viewing angle                 | 85/85/85/85 (Typ.) CR≥10) left/right/up/down            |                    |                   |
| Life time                     | 15000 hours                                             |                    |                   |
| 2.3、 Touch Panel              |                                                         |                    |                   |
| Touch technology              | PCAP                                                    |                    |                   |
| Response time                 | < 5ms                                                   |                    |                   |
| Touch points                  | 10 points standard, zoom in/ zoom out options           |                    |                   |
| Touch effective recognition   | 1.5mm                                                   | Data output method | Coordinate output |
| Scanning Frequency            | 200Hz                                                   | Scanning accuracy  | 4096×4096         |
| Communications                | USB 2.0,3.0                                             | Theoretical Clicks | > 50 Millions     |
| Firmware                      | Upgraded by USB                                         | Driver             | NO                |
| Working Current/Voltage       | 180Ma/DC+5V±5%                                          |                    |                   |
| Surface Hardness              | Chemically tempered, Mohs class 7 explosion-proof glass |                    |                   |
| OS                            | Win 7/ Win 8/Win 10/CE/Mac/Android/Linux /XP            |                    |                   |
| 2.4、 Power supply parameters  |                                                         |                    |                   |
| Input Power                   | 110— 240V AC 50/60Hz                                    |                    |                   |
| Output power                  | DC 12V 3A                                               |                    |                   |
| Consumption for Touch monitor | < 20W                                                   |                    |                   |



|                                |                   |         |      |
|--------------------------------|-------------------|---------|------|
| Consumption for Touch Android  | < 28W             |         |      |
| Consumption for Touch Windows  | < 36W             |         |      |
| Standby power consumption      | < 0.5W            | Speaker | 8Ω3w |
| <b>2.5、Working environment</b> |                   |         |      |
| Operating temperature          | 0°C-50°C          |         |      |
| Working humidity               | 10% - 80%         |         |      |
| Storage temperature            | -5°C-60°C         |         |      |
| Storage humidity               | 10% - 70%         |         |      |
| Altitude                       | Under 5000 meters |         |      |

## 2.6、CPU

| Project          | Touch Monitor                                   | Android                              | X86                        | Custom Design |
|------------------|-------------------------------------------------|--------------------------------------|----------------------------|---------------|
| Chip             | Connected External<br>PC to work properly       | Quad-core RK3288<br>Quad-core RK3568 | N5095/i3/I5/i7             | YES           |
| Ram              |                                                 | 2gb/4gb                              | 2gb/4gb/8gb/16gb           |               |
| Hard Disk        |                                                 | 8gb/16gb/32gb options                | SSD : 32/64/128gb          |               |
| Graphics         |                                                 | Android HD                           | Core Graphics              |               |
| Definition       |                                                 | 720P/1080P                           |                            |               |
| Operating System |                                                 | Android 7.1<br>Android 11 for RK3568 | Win 7/ Win 8/Win 10/ Linux |               |
| Internet         | Integrated 10/100/1000M, wireless 802.11a/b/g/n |                                      |                            |               |

## 3 Interfaces & Accessories

### 3.1 Interfaces for Touch screen monitor

|           |               |       |   |
|-----------|---------------|-------|---|
| DC Jack   | 2.1mm DC12V*1 | Audio | 1 |
| VGA input | 1             | HDMI  | 1 |
| USB       | 4             |       |   |



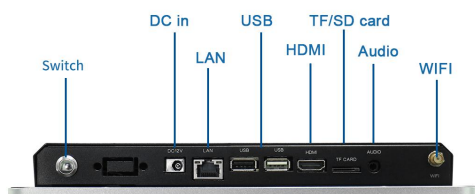
### 3.2 Interfaces for Android Touch PC

|                  |               |                     |   |
|------------------|---------------|---------------------|---|
| DC Jack          | 2.1mm DC12V*1 | Headphone           | 1 |
| RJ45             | 1             | HDMI                | 1 |
| USB (with OTG)   | 2             | WIFI                | 1 |
| TF /SD card slot | 1             | TTL/232/485 options |   |

### 3.3 Interfaces for Windows Touch PC

|               |               |                      |   |
|---------------|---------------|----------------------|---|
| DC Jack       | 2.5mm DC12V*1 | VGA output (15 pins) | 1 |
| RJ45          | 1             | HDMI                 | 1 |
| USB           | 4             | WIFI                 | 1 |
| Headphone/MIC | 1             | TTL/232/485 options  |   |

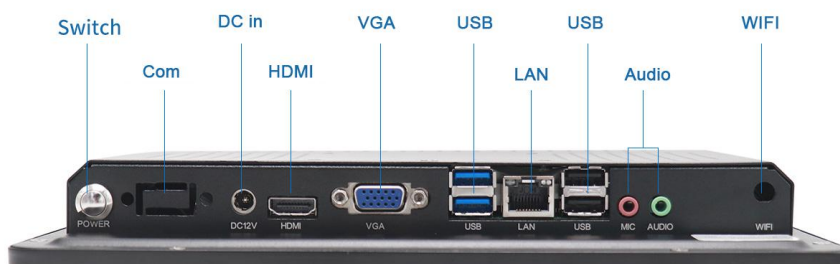
#### Android



#### Touchscreen



### Interface parameters





### 3.3 Accessories

|                    |                                       |
|--------------------|---------------------------------------|
| Instructions       | *1                                    |
| AC Power line      | *1                                    |
| Power Adapter      | *1                                    |
| Wall mount/bracket | *1                                    |
| Warranty Card      | *1                                    |
| Certificate        | *1                                    |
| Wifi Antenna       | *1 for Android & Windows only         |
| Cable              | USB*1; HDMI *1 for touch monitor only |



Instruction



Warranty



Adapter



HDMI



USB

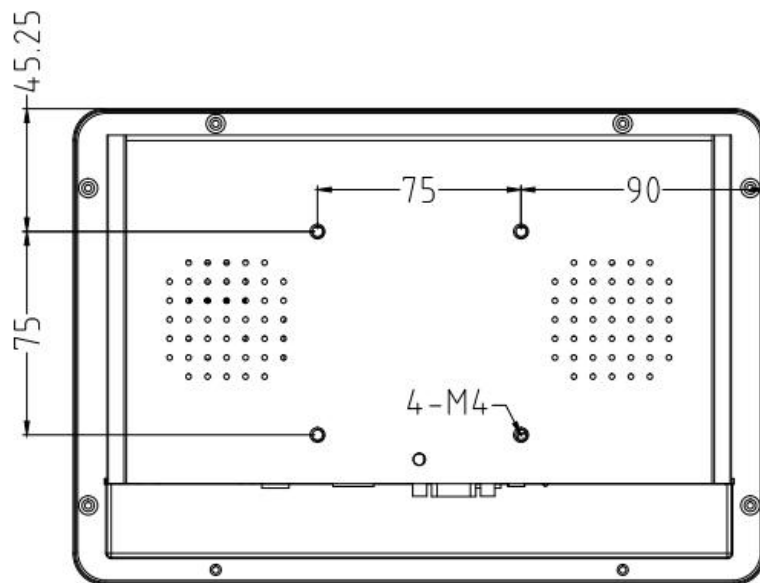
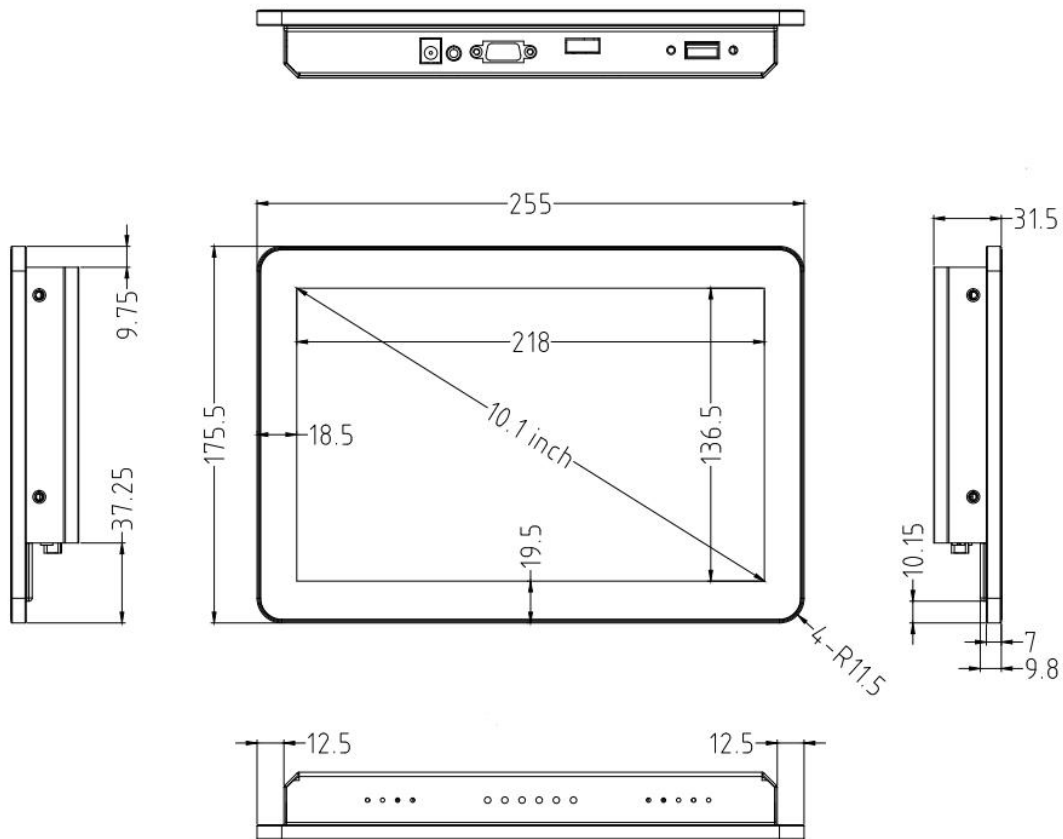
Wall mounted  
desktop bracket

### 3、Mechanical Parameters

|                           |                         |
|---------------------------|-------------------------|
| Size                      | 10.1"                   |
| Display size              | 163 * 122.5 mm (16: 10) |
| Machine size (W * H *T)   | 255×175.5×31.5mm        |
| Package size (W * H *T)   | 340×277×97mm            |
| Mounting bracket          | Wall mounted            |
| VESA hole                 | 75×75 mm                |
| Wall screw specifications | M4                      |
| Net weight                | 0.9 KG                  |
| G.W (packaging)           | 2.1KG                   |



## 5、Product Pictures







## 5.1 Overall Pictures



## 5.2 Color





## 5.3 Details



## 5.4 Installations

Wall mounted



Standard wall mount

Desktop bracket



Optional movable bracket

Desktop folding bracket



Desktop base





## 6. Warning

1. This product is a precision electronic device, the front is IP65, and the overall protection level is IPX3, so care should be taken to avoid water splashing and rain;
2. Do not place the equipment in a humid environment. Outdoor equipment needs to be equipped with a moisture-proof cover. When it rains and dew condensation, it needs to be protected to prevent water mist from entering the machine and the glass from becoming moldy. Wet use environment will accelerate the rapid aging of electronic components, thereby reducing the service life of this product and causing moisture damage to components;
3. Do not place the device in an environment with strong ultraviolet rays and direct sunlight for a long time. When the temperature is higher than 50°C, ultraviolet rays and high temperature irradiate the screen will accelerate the deflection of liquid crystal molecules, and the screen will accelerate aging. When the outdoor temperature is higher than 50°C, move it indoors or perform shading treatment;
4. The brightness of the product is not less than 250cd/m<sup>2</sup>. In the case of high ambient brightness, the screen display will not be clear. Please avoid placing it outdoors when the sun is strong;
5. When the temperature is lower than 0°C, the screen may not work properly due to the influence of the deflection of the liquid crystal molecules. It is not recommended to use it when the temperature is lower than 0°C;