

# TPC170-M2

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

  
Main board

  
DC 12-36V

  
-10°C-60°C

  
IP65

  
Expand interface

  
7\*24H operation



## Product Model

|                  |                |
|------------------|----------------|
| Product Size     | 17"            |
| Non-touch        | TPC170-M200-SS |
| Capacitive touch | TPC170-M210-SS |
| Resistive touch  | TPC170-M220-SS |

## Product Interface



  
GND

  
TOUCH

  
HD

  
DVI

  
VGA

  
Audio I/O

  
DC 12-36V

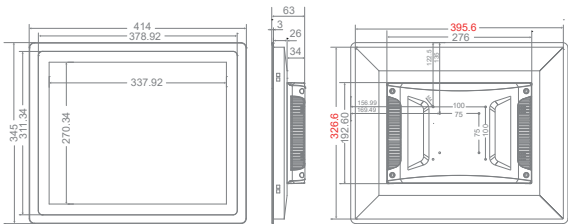
## Product Specifications

|                   |                       |
|-------------------|-----------------------|
| Screen Parameters |                       |
| LCD size          | 17" TFT LCD           |
| Resolution        | 1280*1024 (5:4)       |
| Viewing angle     | 85/85/80/70 (L/R/U/D) |
| Colour            | 16.7M                 |
| Brightness        | 300 cd/m²             |
| Contrast ratio    | 1000:1                |

|                          |                                                      |                                         |           |
|--------------------------|------------------------------------------------------|-----------------------------------------|-----------|
| 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       | W414x H345x D63mm |
| Size of opening          | W397.6x H328.6mm  |

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Interface Parameters |                                                          |
| Grounding column     | Support (1*GND)                                          |
| Power interface      | 1*DC2.1, 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 |