

# TPC173-W210-6412

Full aluminum alloy panel structure with an IP65 waterproof front panel and an aluminum alloy rear cover equipped with heat dissipation holes. It is low power consumption. It is suitable for embedded installation applications and supports various external device connections, making it widely applicable in self-service terminals such as self-service vending machines, inquiry kiosks, parcel lockers, industrial, and medical self-service terminal fields.

## Features

- Ultra-thin bezel design, tailored for embedded installation applications
- Pure flat panel IP65 dust-proof and waterproof.
- Self-developed X86 architecture industrial motherboard
- Intel Celeron J6412 quad-core 2.0GHz processor
- Comply with EMC anti-electromagnetic interference standard
- Compatible with 99% of industry software, With strong expansibility



## Product Model

|                  |                  |
|------------------|------------------|
| Product Size     | 17.3"            |
| Non-touch        | TPC173-W200-6412 |
| Capacitive touch | TPC173-W210-6412 |
| Resistive touch  | TPC173-W220-6412 |

## Product Interface



## Product Specifications

### Screen Parameters

|                |                       |
|----------------|-----------------------|
| LCD size       | 17.3" TFT LCD         |
| Resolution     | 1920×1080(16:9)       |
| Viewing angle  | 80/80/60/80 (L/R/U/D) |
| Color          | 16.7M                 |
| Brightness     | 300 cd/m²             |
| Contrast ratio | 600:1                 |

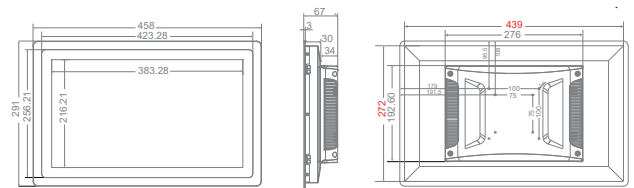
### Touch Parameters

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

### Hardware Configuration

|                     |                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| CPU                 | Intel Celeron J6412 quad-core 2.0GHz CPU                                                                                     |
| Memory              | Standard: 8GB LPDDR4 ( It supports up to 16GB)                                                                               |
| Storage             | Standard: 256GB SSD (optional 512GB SSD, 1T/2T HDD)                                                                          |
| Integrated graphics | Intel UHD Graphics 16 EUs                                                                                                    |
| Operating system    | WIN10/11, Ubuntu14.04.6/16.04.7/18.04.5/18.04.6/20.04.1/20.04.3/20.04.4/22.04, Centos7.8/8.4/7.9, Redhat7.4, Debian10.0/11.6 |

## Product Size



### Physical Characteristics

|                    |                   |
|--------------------|-------------------|
| Overall dimensions | W458X H291X D67MM |
| Size of opening    | W441X H274MM      |

### Interface Parameters

|                   |                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------|
| Power interface1  | 1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/GPIO*5)                                                         |
| Power interface2  | 1*DC2.5, Supporting 12V-36V power input                                                                              |
| USB               | 2*USB2.0, 2*USB3.0                                                                                                   |
| VGA               | 1*VGA                                                                                                                |
| HDMI              | 1*HDMI, Supporting HDMI data output, Up to 4K                                                                        |
| SIM               | 1*SIM, Supporting various formats (Depending on 3G/4G module)                                                        |
| Network interface | 2*LAN, 1*Realtek PCI-E NIC RTL8111H (Applicable to 1000Mbps)<br>1*Realtek PCI-E NIC RT8152B (Applicable to 1000Mbps) |
| Audio interface   | 1*Audio I/O, support audio input and output                                                                          |
| COM               | 1*RS232                                                                                                              |
| Wifi antenna      | 2*Wifi antenna                                                                                                       |
| Grounding post    | 1*Grounding post (GND)                                                                                               |

### 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        |

|                |                                     |
|----------------|-------------------------------------|
| Broad pressure | With wide voltage (12V~36V)         |
| WiFi           | Support 2.4GHz/ 5GHz dual-band Wifi |
| Bluetooth      | BT4.0 (Optional)                    |