

# TPC170-W5

The whole machine is made of aluminum alloy material, strong structure layout, completely closed without fan design, compact appearance, low power consumption, good scalability, practicability and EMC compatibility performance, designed for a variety of complex environment, widely used in industrial control, military, communication, power and network automation fields.

## Features

- Narrow frame design, independent mold opening appearance
- Aluminum alloy - body die casting, efficient heat dissipation
- Self-developed X86 architecture industrial motherboard
- Intel Celeron J1900 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"         |
| Non-touch        | TPC170-W500 |
| Capacitive touch | TPC170-W510 |
| Resistive touch  | TPC170-W520 |

## Product Interface



## Product Specifications

### Screen Parameters

|                |                                |
|----------------|--------------------------------|
| LCD size       | 17" TFT LCD                    |
| Resolution     | 1280*1024 ( Aspect Ratio 5:4 ) |
| Viewing angle  | 85/85/80/70 (L/R/U/D)          |
| Colour         | 16.7M                          |
| Brightness     | 300 cd/m <sup>2</sup>          |
| Contrast ratio | 1000:1                         |

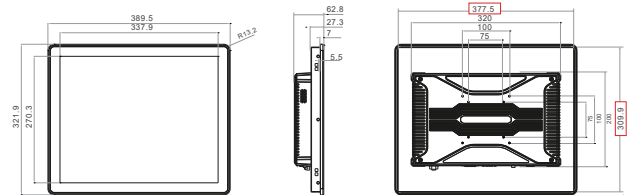
### Touch Parameters

|                          |   |                                      |           |
|--------------------------|---|--------------------------------------|-----------|
| 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 J1900 quad-core 1.99GHz (Maximum 2.4GHz) | Broad pressure | Support wide voltage 12V-36V          |
| Memory              | 4G DDR3 (Optional:8G)                                  | WiFi           | 2.4GHz/5GHz, Dual-band WiFi           |
| Storage             | 64G SSD (Optional: 128/256/512G)                       | Bluetooth      | BT4.0 (Optional)                      |
| Integrated graphics | Intel HD Graphics                                      | Other support  | RTC real-time clock and timing switch |
| Operating system    | Win7/10/Ubuntu/Centos/Redhat/Debian/Linux              |                |                                       |

## Product Size



### Physical Characteristics

|                    |                         |
|--------------------|-------------------------|
| Overall dimensions | W389.5X H321.9X D62.8MM |
| Size of opening    | W379.5X H311.9MM        |

### Interface Parameters

|                   |   |
|-------------------|---|
| Power interface1  | 1*Industrial terminals, Support 12V-36V wide voltage power supply |
| Power interface2  | 1*DC2.5, Supporting wide voltage 12V-36V power supply             |
| USB               | 2*USB 2.0, 2*USB 3.0  |
| Network interface | 1*LAN, 10M/100M/1000M adaptive Ethernet                           |
| HDMI              | 1*HDMI, Supporting HDMI data output, Up to 4K                     |
| SIM               | 1*SIM, Supporting various formats (Depending on 3G/4G module)     |
| VGA               | 1*VGA   |
| Audio interface   | 1* Audio output, support audio output                             |
| WiFi antenna      | 2*WiFi antenna  |
| Grounding column  | Support (1*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        |