

The whole machine adopts pure plane frame, aluminum alloy structure, no fan completely closed design. Support desktop, wall mounted, embedded, cantilever, boom and other installation modes, widely used in industrial control, military, communications, electric power, network and other automation fields.

## Features

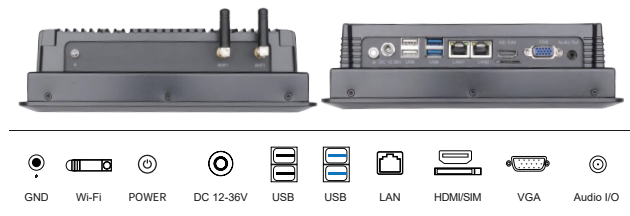
- Appearance independent mold opening
- High precision aluminum alloy material
- Pure flat panel up to IP65 dust and waterproof
- Independently developed fanless X86 architecture industrial motherboard
- Comply with EMC anti-electromagnetic interference standards
- Industrial protection, adapt to a variety of harsh environment
- Compatible with 99% industry software
- Rich I/O interfaces design, strong expansion



## Model

|             |
|-------------|
| 8"          |
| TPC080-W600 |
| TPC080-W610 |
| TPC080-W620 |

## I/O Interface



## Specification

### Screen Parameter

|                                |                       |  |  |
|--------------------------------|-----------------------|--|--|
| Display type                   | 8" TFT LCD screen     |  |  |
| MAX.resolution                 | 1024*700 (4:3)        |  |  |
| Viewing angle(H/V)             | 85/85/85/85 (L/R/U/D) |  |  |
| Luminance (cd/m <sup>2</sup> ) | 300 cd/m <sup>2</sup> |  |  |
| Contrast ratio                 | 800:1                 |  |  |

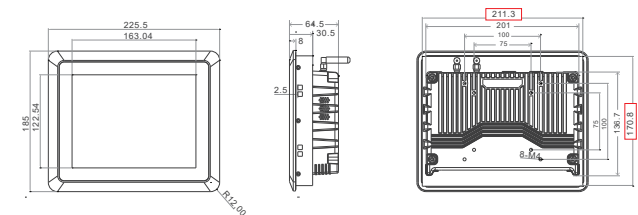
### Touch Parameter

|                    |  |                              |           |
|--------------------|--|------------------------------|-----------|
| Touchscreen        | Projection capacitive touch 10-point multi touch | Resistive touch single point | Non-touch |
| Light transmission | ≥88%   | ≥78%                         | ≥92%      |
| Controller         | USB ( COM customized)                            | USB ( COM customized)        | /         |

### Configuration

|                     |  |                     |                       |
|---------------------|--|---------------------|-----------------------|
| CPU                 | Intel Core i7-12th generation                  | Bluetooth           | Bluetooth 4.0         |
| Integrated Graphics | Intel Graphics                                 | Wi-Fi               | Dual Band 2.4GHz+5GHz |
| Memory/RAM          | 8GB (Supports up to 32GB)                      | Watchdog Timer      | Support               |
| Storage             | 256GB SSD (Optional 128GB/512GB/1T/2T/4T etc.) | RTC real time clock | Support               |
| Operating system    | WIN10/11, Ubuntu/Redhat/Debian/Linux-Mint      | Timer switch        | Support               |

## Dimension



### Physical Characteristic

|                    |   |
|--------------------|---|
| Overall dimensions | W225.5x H185x D64.5mm   |
| Installation size  | W213.3 x H172.8mm   |
| Material           | Aluminum alloy  |
| Color              | Black, Optional silve   |
| Installation       | Embedded, Wall-mounted, Desktop, Louver, Cantilever, Boom type etc. |

### Interface Parameter

|                 |   |
|-----------------|---|
| PowerSW         | 1*PowerSW   |
| Power interface | 1*Threaded DC connector (Diameter 5.5*2.5mm)              |
| USB             | 2*USB2.0, 2*USB3.0  |
| Ethernet        | 2*LAN, 10M/100M/1000M adaptive Ethernet, 3G/4G customized |
| HDMI            | 1*HDMI output, up to 4K                                   |
| SIM             | 1*SIM card slot (should be work with 3G/4G module)        |
| VGA             | 1*VGA   |
| Audio           | 1*Audio I/O, support audio input and output               |
| Wi-Fi antenna   | 2*Wi-Fi antenna   |
| Grounding       | 1*GND   |
| Speaker         | 2*(8Ω2W)  |

### Reliability Parameter

|                       |   |
|-----------------------|---|
| Operating temperature | -10°C~60°C (-20°C~70°C can be customized) |
| Storage temperature   | -20°C~70°C                                |
| Relative humidity     | 95% non-condensing                        |

### Power Parameter

|               |            |
|---------------|------------|
| Power input   | DC 12V-36V |
| Power adapter | 24V/5A     |