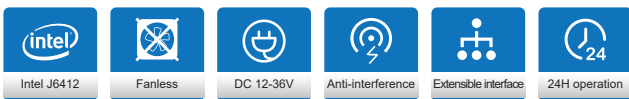


# TPC120-W2311-J6412

The appearance of the whole machine is fashionable and simple, with scientific and technological beauty, using a powerful X86 system architecture, combined with industrial-grade design and material selection; The all-metal enclosed body design has good anti-interference ability. It is widely used in industrial control, business interaction, finance, retail, communications, power, network and other automation fields.

## Features

- Industrial aesthetic design, stylish and simple appearance
- Pure flat panel 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



## Model

|                  |                    |
|------------------|--------------------|
| Product Size     | 12"                |
| Non-touch        | TPC120-W2301-J6412 |
| Capacitive touch | TPC120-W2311-J6412 |
| Resistive touch  | TPC120-W2321-J6412 |

## I/O Interface



## Specification

### Screen Parameter

|                    |                       |
|--------------------|-----------------------|
| Display type       | 12" TFT LCD screen    |
| MAX.resolution     | 1024*768 (4:3)        |
| Viewing angle(H/V) | 85/85/85/85 (L/R/U/D) |
| Luminance (cd/m²)  | 500 cd/m²             |
| Contrast ratio     | 1000:1                |

### 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)        | /         |

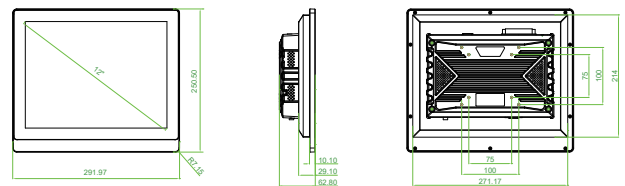
### Power Parameter

|               |            |
|---------------|------------|
| Power input   | DC 12V-36V |
| Power adapter | 24V/2.5A   |

### Configuration

|                     |                                                                               |                     |                       |
|---------------------|-------------------------------------------------------------------------------|---------------------|-----------------------|
| CPU                 | Intel Celeron J6412, 4 cores/4 wires, frequency 2.00 GHz (Maximum RF: 2.7GHz) | Wi-Fi               | Dual Band 2.4GHz+5GHz |
| Memory/RAM          | Standard: 8GB (Supports up to 16GB)                                           | Bluetooth           | BT4.0(Optional)       |
| Storage             | Standard: 128GB SSD (optional: 128GB/256GB/512GB/1TB/2TB/4TB, etc.)           | Watchdog Timer      | Support               |
| Integrated graphics | Intel UHD Graphics 16 EUs                                                     | RTC real time clock | Support               |
| Operating system    | Windows10/11, Ubuntu/Centos/Redhat/Debian                                     | Timer switch        | Support               |

## Dimension



### Physical Characteristic

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Overall dimensions | W291.97 x H250.5 x D62.8mm                                              |
| VESA               | 75x75mm, 100x100mm, M4 screw hole                                       |
| Material           | Aluminum alloy                                                          |
| Color              | Silve, optional black                                                   |
| Installation       | Support Wall mounted/Desktop/Cantilever/Boom type/Louwer Embedded, etc. |

### Interface Parameter

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| PowerSW          | 1*PowerSW                                                     |
| Power interface  | 1*Threaded DC port (Diameter: 5.5*2.5mm)                      |
| Phoenix terminal | 1*12P Phoenix terminal (DC*1/RS232*1/RS485*1/GPIO*5)          |
| USB              | 2*USB 2.0, 2*USB 3.0                                          |
| VGA              | 1*VGA                                                         |
| HDMI             | 1*HDMI, Supporting HDMI data output, Up to 4K                 |
| SIM              | 1*SIM, Supporting various formats (Depending on 3G/4G module) |
| Ethernet         | 2*LAN, 10M/100M/1000M adaptive Ethernet                       |
| Audio            | 1*Audio I/O, Support audio input and output                   |
| Wi-Fi antenna    | 2*Wi-Fi antenna                                               |
| Serial port      | 1*COM (The default is RS232, optional RS485/RS422)            |
| Speaker          | 2*(8Ω2W)                                                      |
| Grounding        | 1*GND                                                         |

### 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                        |