

TPC120-W4

The whole machine adopts ultra-thin frame which is more suitable for embedded installation, aluminum alloy structure, fanless fully closed design, front panel pure flat wire drawing process, up to IP65 dustproof and waterproof, and is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features

- Stylish and simple appearance, Independent mold opening
- High precision die-casting aluminum molding, Efficient heat dissipation
- Self-developed X86 architecture industrial main version
- Comply with EMC anti-electromagnetic interference standard
- Industrial-grade quality, Suitable for a variety of harsh environments
- Support desktop, Wall-mounted and multiple installation methods



Product Model

| | |
|------------------|-------------|
| Product Size | 12" |
| Non-touch | TPC120-W401 |
| Capacitive touch | TPC120-W411 |
| Resistive touch | TPC120-W421 |

Product Interface



Product Specifications

Screen Parameters

| | |
|----------------|-------------------------------|
| LCD size | 12" TFT LCD |
| Resolution | 1024*768 (Aspect Ratio 4:3) |
| Viewing angle | 85/85/85/85 (L/R/U/D) |
| Colour | 16.7M |
| Brightness | 500 cd/m ² |
| Contrast ratio | 1000:1 |

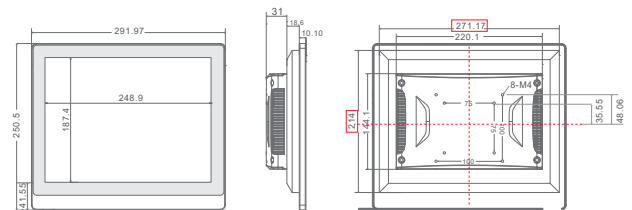
Touch Parameters

| | | | |
|--------------------------|--|---|-----------|
| 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 J4125 quad-core 2GHz (Maximum RF: 2.7GHz) |
| Memory | 4G DDR4 2400MHz (Optional 8G) |
| Storage | 64G SSD (Optional: 128/256/512G) |
| Integrated graphics | Intel UHD Graphics 600 |
| Operating system | Win10/11/Ubuntu/Centos/Linux |

Product Size



Physical Characteristics

| | |
|--------------------|--------------------------|
| Overall dimensions | W291.97X H250.5X D59.7MM |
| Size of opening | W273.17X H216MM |

Interface Parameters

| | |
|-------------------|--|
| Power key | 1*POWER |
| Power interface | 1*DC2.5, Supporting wide voltage 12V-36V power supply |
| USB | 2*USB 2.0, 2*USB 3.0 |
| Network interface | 2*LAN, 1*Realtek PCI-E NIC RTL8111H (Applicable to 1000Mbps) 1*Realtek PCI-E NIC RT8152B (Applicable to 1000Mbps) |
| 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 Out, support audio output |
| COM | 2*RS232 |
| 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 |

| | |
|----------------|---------------------------------------|
| Broad pressure | With wide voltage (12V~36V) |
| WiFi | 2.4GHz/5GHz, Dual frequencyWiFi |
| Bluetooth | BT4.0 (Optional) |
| Other support | RTC real-time clock and timing switch |