

EPC-J070WCP-6412

The whole machine adopts aluminum alloy structure, fanless fully enclosed design, a variety of self-developed industrial motherboard, can meet the needs of different applications. Support a variety of installation methods, the machine low power consumption, with good scalability, practicality and EMC compatibility and other performance, widely used in industrial control, military, communications, power and network and other automation fields.

Features

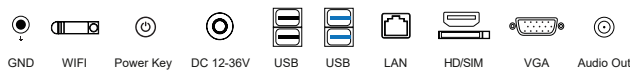
- Independent moulding, development and production of the exterior
- Self-developed X86 architecture industrial grade motherboard
- Powered by Intel Celeron J6412 quad-core high-speed processor
- Industrial-grade protection, adapt to a variety of harsh environments
- Support 12-36V wide voltage power supply
- Rich expansion interface, compatible with 99% of the industry software



Product Model

| | |
|------------------|-------------|
| Product Size | 7" |
| Non-touch | EPC-J070WNT |
| Capacitive touch | EPC-J070WCP |
| Resistive touch | EPC-J070WRS |

Product Interface



Product Specifications

Screen Parameters

| | |
|----------------|-----------------------|
| LCD size | 7" TFT LCD |
| Resolution | 1024*600 |
| Viewing angle | 75/75/70/75 (L/R/U/D) |
| Colour | 16.7M |
| Brightness | 300 cd/m ² |
| Contrast ratio | 500:1 |

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 | / |

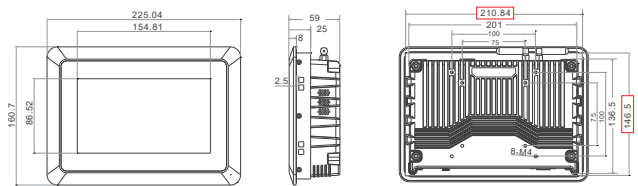
Hardware Configuration

| | | | |
|---------------------|--|----------------|---------------------------------------|
| CPU | Intel Celeron J6412 quad-core 2.0GHz (Maximum RF: 2.6GHz) | Broad pressure | Support wide voltage 12V-36V |
| Memory | 4G DDR4 3200MHz (Optional 8G) | WiFi | 2.4GHz/5GHz, Dual-band WiFi |
| Storage | 64G SSD (Optional: 128/256/512G) | Bluetooth | BT4.0 (Optional) |
| Integrated graphics | Intel UHD Graphics | Other support | RTC real-time clock and timing switch |
| Operating system | Win10 Professional/Enterprise/Home, Win11 Professional, Ubuntu 16.04.7, Ubuntu 18.04.6/Centos7.8/Centos7.9/Centos8.4 | | |

Power Parameters

| | | | |
|-------------|------------|--------------|-----|
| Power input | DC 12V~36V | Static power | 18W |
|-------------|------------|--------------|-----|

Product Size



Physical Characteristics

| | |
|--------------------|------------------------|
| Overall dimensions | W225.04X H160.7X D59MM |
| Size of opening | W212.84 X H148.5MM |

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 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 |