

FPC-J120SRS-6412

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 appearance
- Aluminum alloy - body die casting, efficient heat dissipation
- 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



Product Model

| | |
|------------------|-------------|
| Product Size | 12" |
| Non-touch | FPC-J120SNT |
| Capacitive touch | FPC-J120SCP |
| Resistive touch | FPC-J120SRS |

Product Interface



Product Specifications

Screen Parameters

| | |
|----------------|-----------------------|
| LCD size | 12" TFT LCD |
| Resolution | 1024*768(4:3) |
| Viewing angle | 85/85/85/85 (L/R/U/D) |
| Color | 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 | / |

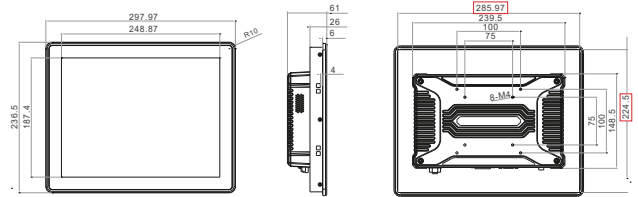
Hardware Configuration

| | | | |
|---------------------|--|---------------|---------------------------------------|
| CPU | Intel Celeron J6412, 4 cores/4 wires, frequency 2.00 GHz (Maximum RF: 2.7GHz) | | |
| Memory | Standard: 8GB LPDDR4 (It supports up to 16GB) | WiFi | 2.4GHz/5GHz, Dual frequency WiFi |
| Storage | Standard: 256GB SSD (optional 512GB SSD, 1T/2T HDD) | Bluetooth | BT4.0(Optional) |
| Integrated graphics | Intel UHD Graphics 16 EUs | Other support | RTC real-time clock and timing switch |
| Operating system | WIN10/11, Ubuntu14.04.6/16.04.7/18.04.5/18.04.6/20.04.1/20.04.3/20.04.4/22.04, Centos7.8/8.4/7.9, Redhat7.4, Debian10.0/11.6 | | |

Power Parameters

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

Product Size



Physical Characteristics

| | |
|--------------------|------------------------|
| Overall dimensions | W297.97X H236.5X D61MM |
| Size of opening | W287.97X H226.5MM |

Interface Parameters

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|-------------------|--|
| Power interface1 | 1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/CAN*1/GPIO*5) |
| Power interface2 | 1*DC 【5.5*2.5mm】 Supporting wide voltage 12V-36V power supply |
| USB | 2*USB 2.0, 2*USB 3.0 |
| Network interface | 2*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 I/O, Support audio input and output |
| COM | 1*RS232 |
| WiFi antenna | 2*WiFi antenna |
| POWER | 1*POWER |
| Grounding post | 1*Grounding post (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 |