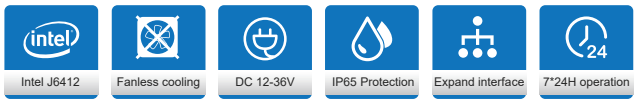
EPC-J080WRS-6412

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

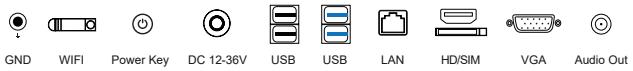
- Independent moulding, development and production of the exterior
- Self-developed X86 architecture industrial grade motherboard
- Powered by Intel Celeron J6412 quad-core high-speed processor
- Industrial-grade protection, adapt to a variety of harsh environments
- Support 12-36V wide voltage power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



Product Model

Product Size	8"
Non-touch	EPC-J080WNT
Capacitive touch	EPC-J080WCP
Resistive touch	EPC-J080WRS

Product Interface



Product Specifications

Screen Parameters

LCD size	8" TFT LCD
Resolution	1024*768
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	800:1

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	/

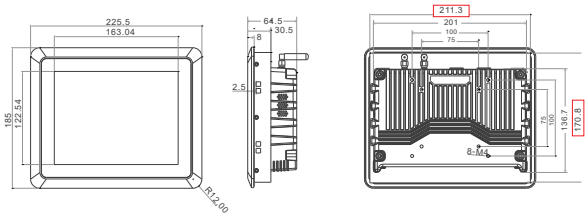
Hardware Configuration

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	W225.5X H185X D64.5MM
Size of opening	W213.3 X H172.8MM

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

* All specifications and photos are subject to change without notice.