

TPC101-W5

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 J4125 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	10.1"
Non-touch	TPC101-W500
Capacitive touch	TPC101-W510
Resistive touch	TPC101-W520

Product Interface



Product Specifications

Screen Parameters

LCD size	10.1" TFT LCD
Resolution	1280*800 (Aspect Ratio 16:10)
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	300 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	/

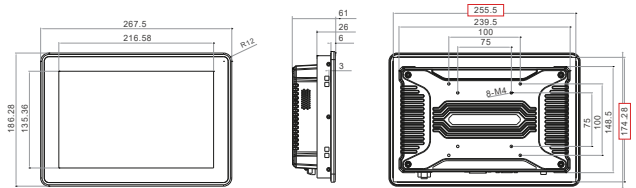
Hardware Configuration

CPU	Intel Celeron J4125 quad-core 2GHz (Maximum RF: 2.7GHz)	Broad pressure	Support wide voltage 12V-36V
Memory	4G DDR4 2400MHz (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 600	Other support	RTC real-time clock and timing switch
Operating system	Win10/11/Ubuntu/Centos/Linux		

Power Parameters

Power input	DC 12V~36V	Static power	18W
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Product Size



Physical Characteristics

Overall dimensions	W267.5X H186.28X D61MM
Size of opening	W257.5X H176.28MM

Interface Parameters

Power key	1*POWER
Power interface1	1*Industrial terminals, Support 12V-36V wide voltage power supply
Power interface2	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