

TPC101-W24

Adopting aluminium alloy flat plate, fanless fully enclosed integrated design, fashionable appearance, simple craftsmanship, self-developed X86 industrial motherboard, cost-effective, Built-in 100W camera, 125K+13.56Mhz dual-frequency card reader and high-precision barcode recognition module. Its applications span across various environments, including smart factories, canteens, campuses, conference rooms, and more.

Features

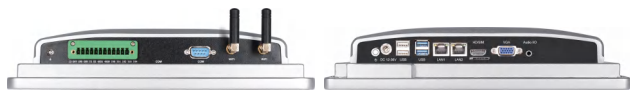
- Fashionable and simple appearance, independent open mold
- High precision die-cast aluminum molding, efficient heat dissipation
- Self-developed X86 architecture industrial motherboard
Up to Intel®12th Gen Core™ i5 processor
- Built-in 100W camera, 125K+13.56Mhz dual-frequency card reader and high-precision barcode recognition module
- Compatible with 99% of industry software, With strong expansibility



Product Model

Product Size	10.1"
Non-touch	TPC101-W2401
Capacitive touch	TPC101-W2411
Resistive touch	TPC101-W2421

Product Interface



Product Specifications

Screen Parameters

LCD size	10.1" TFT LCD
Resolution	800*1280(16:10)
Viewing angle	85/85/85/85 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m ²
Contrast ratio	1000:1

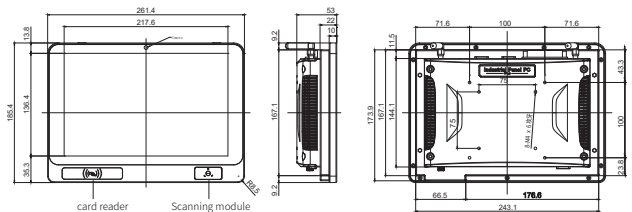
Touch Parameters

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 Core i5-6200U	Intel Core i5-7200U	Intel Core i5-8265U	Intel Core i5-10210U	Intel Core i5-1235U
GPU	Intel HD Graphics 520	Intel HD Graphics 620	Intel UHD Graphics 620	Intel UHD Graphics 620	Intel Iris Xe Graphics 80
Operating system	WIN7/10, Ubuntu/ Centos/Redhat/Debian	WIN7/11, Ubuntu/ Centos/Redhat/Debian	WIN10/11, Ubuntu/Centos/ Redhat/Debian	WIN10/11, Ubuntu/Centos/ Redhat/Debian	WIN10/11
Memory	8GB LPDDR4 (up to 32GB)	8GB LPDDR4 (up to 64GB)	8GB LPDDR4 (up to 64GB)	8GB LPDDR4 (up to 32GB)	8GB LPDDR4 (up to 32GB)
Storage	256GB SSD (optional 512GB SSD, 1T/2T HDD)				
WiFi	2.4GHz/5GHz, Dual frequency WiFi				
Bluetooth	BT 4.0		Camera	100W pixels	
Card reader	125K+13.56Mhz dual-band card reader		LED indicator	Red/green/blue (combination)	

Product Size



Physical Characteristics

Overall dimensions	W261.4x H185.4x D53mm
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Interface Parameters

Power interface1	1*12P Phoenix terminal (Power supply/RS232*1/RS485*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