

TPC156-W2411-I512

Adopting aluminium alloy flat plate, fanless fully enclosed integrated design, fashionable appearance, simple crafts-manship, self-developed X86 industrial motherboard, cost-effective, Built-in 500W 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
Equipped with Intel® 12th Gen Core™ i5 processor
- Built-in 500W 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	15.6"
Non-touch	TPC156-W2401-I512
Capacitive touch	TPC156-W2411-I512
Resistive touch	TPC156-W2421-I512

Product Interface



Product Specifications

Screen Parameters

LCD size	15.6" TFT LCD
Resolution	1920*1080(16:9)
Viewing angle	85/85/85/85 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m ²
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	/

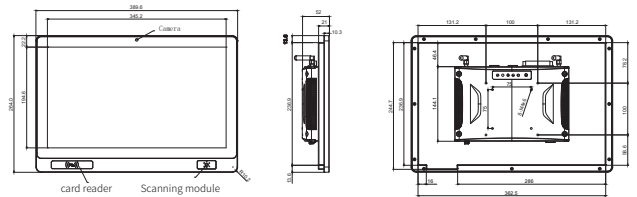
Hardware Configuration

CPU	Intel Core i5-1235U, 1.3GHz	Bar code scanning module	Support 1D/2D barcode scanning functions for easy information entry
Memory	Standard: 8GB LPDDR4 (It supports up to 16GB)	WiFi	2.4GHz/5GHz, Dual frequencyWiFi
Storage	Standard: 512GB SSD	Bluetooth	BT4.0(Optional)
Integrated graphics	Intel Iris Xe Graphics 80	Camera	500W pixels
Card reader	125K+13.56Mhz dual-band card reader		
Operating system	WIN10/11		

Power Parameters

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



Physical Characteristics

Overall dimensions	W389.6x H264x D52mm
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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