

## TPC215-W24

Adopting aluminium alloy flat plate, fanless fully enclosed integrated design, fashionable appearance, simple craftsmanship, self-developed ARM 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
- Independent research and development of ARM architecture industrial Motherboard RK3588 Octa-core 2.1GHz CPU
- Built-in 100W camera, 125K+13.56Mhz dual-frequency card reader and high-precision barcode recognition module
- Provide API reference code and support SDK secondary development



### Product Model

Product Size	21.5"
Non-touch	TPC215-W2401
Capacitive touch	TPC215-W2411
Resistive touch	TPC215-W2421

### Product Interface



### Product Specifications

#### Screen Parameters

LCD size	21.5" TFT LCD
Resolution	1920*1080(16:9)
Viewing angle	89/89/89/89 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m <sup>2</sup>
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	/

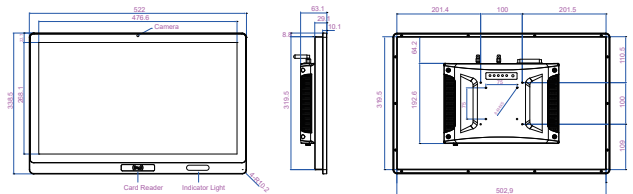
#### Hardware Configuration

CPU	Intel Celeron J6412, 4 cores/4 wires, frequency 2.00 GHz (Maximum RF: 2.7GHz)	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 frequency WiFi
Storage	Standard: 256GB SSD (optional 512GB SSD, 1T/2T HDD)	Bluetooth	BT4.0(Optional)
GPU	Intel UHD Graphics 16 EUs	Camera	100W pixels
Card reader	125K+13.56Mhz dual-band card reader		
Operating system	WIN10/11, Ubuntu/Redhat/Debian		

#### Power Parameters

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



#### Physical Characteristics

Overall dimensions	W522x H338.5x D63.1mm
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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,
Impact protection	IEC 60068-2-27, Random, 5~500 Hz, 1 hr/axis Half sine wave, Lasting for 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof grade	The front panel reaches IP65 protection level