TPC170-W4

The whole machine adopts ultra-thin frame which is more suitable for embedded installation, aluminum alloy structure, fanless fully closed design, front panel pure flat wire drawing process, up to IP65 dustproof and waterproof, and is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features

- Stylish and simple appearance, Independent mold opening
- High precision die-casting aluminum molding, Efficient heat dissipation
- Self-developed X86 architecture industrial main version
- Comply with EMC anti-electromagnetic interference standard
- Industrial-grade quality, Suitable for a variety of harsh environments
- Support desktop, Wall-mounted and multiple installation methods

| Intel J4125 | Fanless cooling | DC 12-36V | IP65 | Expand interface | 7*24H operation |

Product Model

Product Size	17"
Non-touch	TPC170-W401
Capacitive touch	TPC170-W411
Resistive touch	TPC170-W421

Product Interface

| GND | WIFI | Power Key | DC 12-36V | USB | USB | LAN | HD/SIM | VGA | Audio Out | COM |

Product Specifications

Screen Parameters

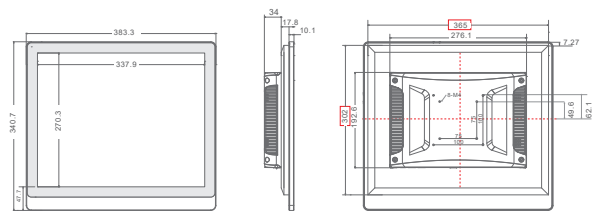|	
LCD size	17" TFT LCD
Resolution	1280*1024 (Aspect Ratio 5:4)
Viewing angle	85/85/80/70 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

Touch Parameters

	10-point touch projection Capacitive touch screen	Single-point Resistance touch screen	Non-touch
Touch type			
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)
Memory	4G DDR4 2400MHz (Optional 8G)
Storage	64G SSD (Optional：128/256/512G)
Integrated graphics	Intel UHD Graphics 600
Operating system	Win10/11/Ubuntu/Centos/Linux

Product Size

Physical Characteristics

Overall dimensions	W383.3X H340.7X D61.9MM
Size of opening	W367X H304MM

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 Out, support audio output
COM	2*RS232
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

Power Parameters

Power input	DC 12V~36V
Static power	18W
Broad pressure	With wide voltage (12V~36V)
WiFi	2.4GHz/5GHz, Dual frequencyWiFi
Bluetooth	BT4.0（Optional）
Other support	RTC real-time clock and timing switch