TPC120-W5

The whole adopts ultra-narrow frame, pure flat board, aluminum alloy structure, fanless fully enclosed design. Support desktop, wall-mounted, embedded, cantilever type, boom type and other installation methods, widely used in industrial control, military, communications, power, network and other high-end automation fields.

Features

- Narrow bezel design, independent mold opening appearance
- Aluminum alloy - body die-casting molding, efficient heat dissipation
- Self-developed fanless X86 architecture industrial motherboard
- Dual gigabit adaptive Ethernet ports for faster transmission.
- Supporting 12V-36V wide voltage power supply;
- Rich interfaces and strong extensibili.
- Adapt to complex heavy industrial environments such as dust, oil, water mist, strong electromagnetic and high-frequency vibration.

Intel I3 | Fanless cooling | 12V-36V | IP65 waterproof | Rich interfaces | 7*24H operation

Product Model

Product Size	12”
Non-touch	TPC120-W500
Capacitive touch	TPC120-W510
Resistive touch	TPC120-W520

Product Interface

GND | Industrial terminal | Wifi | POWER | DC 12-36V | USB | USB | LAN | HD/SIM | Audio Out

Product Specifications

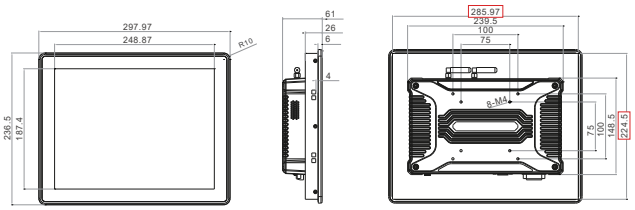
Screen Parameters

LCD Size	12" TFT LCD
Resolution	1024*768 (Aspect Ratio 4:3)
Viewing Angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	500 cd/m²
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	/

Product size



Physical Characteristics

Overall dimensions	W297.97x H236.5x D61mm
Size of opening	W287.97 x H226.5mm

Interface

Power interface1	1*DC2.5, Supporting 12V-36V power input
Power interface2	1*Industrial terminal, Supporting 12V-36V power input
USB	2*USB 2.0, 2*USB 3.0
LAN	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 Out, support audio output
POWER	Support (1*POWER)
WiFi antenna	2*WiFi antenna
Grounding post	1*Grounding post (GND)

Product Reliability

Working Temperature	-10°C to 60°C
Storage temperature	- 20°C to 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, duration 11ms
Authentication	CCC/CE/FCC/EMC/CB/ROHS
Waterproof	Front panel reaches IP65 protection level

Power parameters

Input voltage	DC 12V~36V
Static Power	18W

Hardware Configuration

CPU	I3-6100U	I3-8145U	I3-10110U
CPU frequency	2.3GHz	2.1GHz	2.1GHz
Integrated graphics	Inte HD Graphic 520	Inte HD Graphic 620	Intel UHD Graphic 620
RAM	4G DDR4(Optional 8G/16G/32G)	4G DDR4(Optional 8G/16G/32G)	8G DDR4(Optional 16G/32G/64G)
Storage	128G SSD (256G/512G SSD,1T/2T HDD optional)		
WiFi	Support WIFI		
Bluetooth	Support Bluetooth 4.0		
Operating system	Win7/10/11,Ubuntu/Centos/Redhat/Debian/Linux		

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