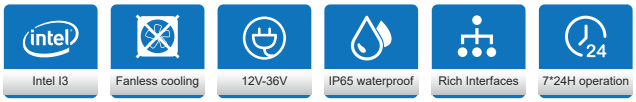
TPC120-W1010-I3

The overall use of flat aluminum alloy panel, fanless fully enclosed integrated design. Meet the requirements of different equipment in different environments. It is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- High precision aluminum alloy material.
- Self-developed fanless X86 architecture industrial motherboard
- Dual gigabit adaptive Ethernet ports for faster transmission.
- Industrial protection, applicable to various harsh environments.
- Supporting 12V-36V wide voltage power supply;
- Rich interfaces and strong extensibili.

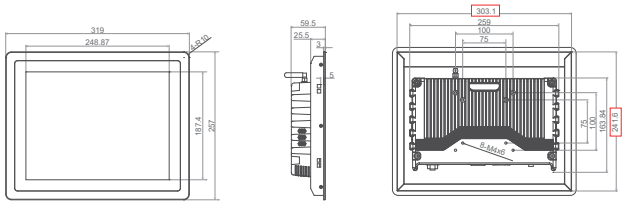


Product Model

Product Size	12"
Non-touch	TPC120-W1000-I3
Capacitive touch	TPC120-W1010-I3
Resistive touch	TPC120-W1020-I3

Product Interface

Product size



Physical Characteristics

Overall dimensions	W319x H257x D59.5mm
Size of opening	W305.1 x H243.6mm

Interface

Power interface1	1*DC 2.5, Supporting 12V-36V power input
Power interface2	1*Industrial terminal, Supporting 12V-36V power input
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
USB	2*USB 2.0 2*USB 3.0
LAN	2*LAN, Dual 1000M adaptive Ethernet
AUDIO	1*Audio Out, Support audio output
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
VGA	1*VGA
COM	2*RS232
WiFi antenna	2*WiFi antenna
POWER	Support (1*POWER)
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

Product Specifications

Screen Parameters

LCD Size	12" TFT LCD
Resolution	1024×768
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	/

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	Dual band 2.4G&5G		
Bluetooth	BT4.0(Optional)		
Operating system	Win7/10/11, Ubuntu/Centos/Redhat/Debian/Linux		
Other support	Support RTC real-time clock and timing switch		

Power parameters

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