

The whole machine adopts pure plane frame, aluminum alloy structure, no fan completely closed design. Support desktop, wall mounted, embedded, cantilever, boom and other installation modes, widely used in industrial control, military, communications, electric power, network and other automation fields.

Features

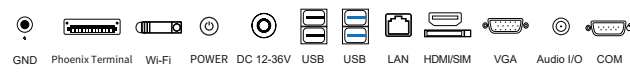
- Appearance independent mold opening
- High precision aluminum alloy material
- Pure flat panel up to IP65 dust and waterproof
- Independently developed fanless X86 architecture industrial motherboard
- Comply with EMC anti-electromagnetic interference standards
- Industrial protection, adapt to a variety of harsh environment
- Compatible with 99% industry software
- Rich I/O interfaces design, strong expansion



Model

Product Size	12"
Non-touch	TPC120-W600
Capacitive touch	TPC120-W610
Resistive touch	TPC120-W620

I/O Interface



Specification

Screen Parameter

Display type	12" TFT LCD screen		
MAX.resolution	1024*768 (4:3)		
Viewing angle(H/V)	85/85/85/85 (L/R/U/D)		
Luminance (cd/m ²)	500 cd/m ²		
Contrast ratio	1000:1		

Touch Parameter

Touchscreen	Projection capacitive touch 10-point multi touch	Resistive touch single point	Non-touch
Light transmission	≥88%	≥78%	≥92%
Controller	USB (COM customized)	USB (COM customized)	/

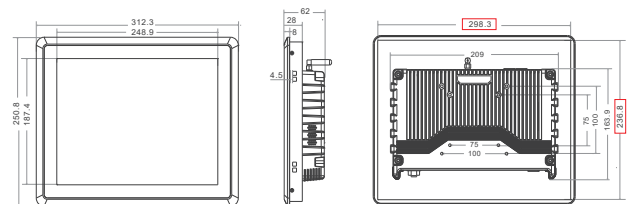
Power Parameter

Power input	DC 12V-36V
Power adapter	24V/5A

Configuration

CPU	Intel Core i7-12th generation	Bluetooth	Bluetooth 4.0
Integrated Graphics	Intel Graphics	Wi-Fi	Dual Band 2.4GHz+5GHz
Memory/RAM	8GB (Supports up to 32GB)	Watchdog Timer	Support
Storage	256GB SSD (Optional 128GB/512GB/1T/2T/4T etc.)	RTC real time clock	Support
Operating system	WIN10/11, Ubuntu/Redhat/Debian/Linux-Mint	Timer switch	Support

Dimension



Physical Characteristic

Overall dimensions	W312.3x H250.8x D62mm
Installation size	W300.3 x H238.8mm
Material	Aluminum alloy
Color	Black, Optional silve
Installation	Embedded, Wall-mounted, Desktop, Louver, Cantilever, Boom type etc.

Interface Parameter

PowerSW	1*PowerSW
Power interface	1*Threaded DC connector (Diameter 5.5*2.5mm)
Phoenix Terminal	1*12P Phoenix terminal (DC*1+232*1+485*1+GPIO*5)
USB	2*USB2.0, 2*USB3.0
Ethernet	2*LAN, 10M/100M/1000M adaptive Ethernet, 3G/4G customized
HDMI	1*HDMI output, up to 4K
SIM	1*SIM card slot (should be work with 3G/4G module)
VGA	1*VGA
Audio	1*Audio I/O, support audio input and output
Wi-Fi antenna	2*Wi-Fi antenna
Serial port	1*COM (The default is RS232, optional RS485/RS422)
Speaker	2*(8Ω2W)
Grounding	1*GND

Reliability Parameter

Operating temperature	-10°C~60°C (-20°C~70°C can be customized)
Storage temperature	-20°C~70°C
Relative humidity	95% non-condensing