

TPC173-A5

The machine is made of aluminum alloy material, strong structure, fully closed without fan design, efficient heat dissipation, designed for a variety of complex harsh environment. Can provide SDK package and technical support, support secondary development and rapid upgrade customization, widely used in industrial control, military, communications, electric power, network and other automation fields.

Features

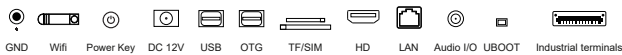
- Industrial aesthetic design, independent mold opening
- Aluminum alloy - body die casting, efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- Pure flat panel IP65 dust-proof and waterproof
- Comply with EMC anti-electromagnetic interference standard
- Provide SDK package and support secondary development



Product Model

Product Size	17.3"
Non-touch	TPC173-A500
Capacitive touch	TPC173-A510
Resistive touch	TPC173-A520

Product Interface



Product Specifications

Screen Parameters

LCD size	17.3" TFT LCD
Resolution	1920*1080 (Aspect Ratio 16:9)
Viewing angle	80/80/60/80 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m ²
Contrast ratio	600:1

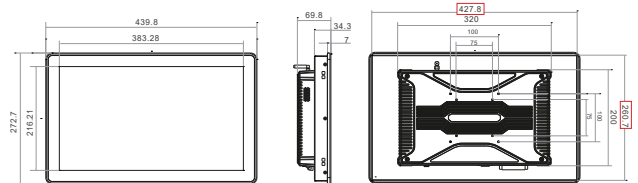
Touch Parameters

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	RK3288, Cortex-A17 quad-core, 1.8GHz	Broad pressure	Supporting 12V power input
Memory	2G DDR3 (Optional: 4G/8G)	WiFi	Support WIFI
Storage	16G eMMC (Optional: 32G/64G)	Bluetooth	BT5.0
GPU	Mali-T764	Other support	RTC real-time clock and timing switch
Operating system	Android 7.1/10.0/12.0/Linux4.4/Ubuntu18.04/20.04/Debian1.0		

Product Size



Physical Characteristics

Overall dimensions	W439.8X H272.7X D69.8MM
Size of opening	W429.8X H262.7MM

Interface Parameters

Power interface1	1*Industrial terminals, Supporting 12V power input
Power interface2	1*DC2.1, Supporting 12V power input
USB	1*USB HOST, 1*USB OTG
TF	Support TF expansion card (1*TF card slot)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
Reset key	Support (1*UBOOT)
WiFi antenna	1*WiFi antenna

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
Static power	18W