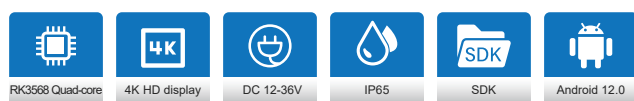# ATI-TPC150-A210

The whole panel PC adopts a self-developed industrial motherboard, built-in independent NPU, with 1TOPS AI computing capability, and supports lightweight AI application development. Its 3mm ultra-thin front panel can seamlessly fit all kinds of cabinets. With a fanless fully enclosed, and front IP65 dustproof & waterproof design. The whole panel PC has high scalability, practicality, and EMC compatibility.

Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- Self-developed ARM architecture industrial motherboard
- RK3568 quad-core 64-bit Cortex-A55 core architecture, Up to 2.0GHz
- Built-in independent NPU with 1TOPS AI computing power
- Provide SDK package, support secondary development and upgrade customization

RK3568 Quad-core	4K HD display	DC 12-36V	IP65	SDK	Android 12.0

ISO FC CE CCC RoHS 10

Product Model

Product Size	15"
Non-touch	ATI-TPC150-A200
Capacitive touch	ATI-TPC150-A210
Resistive touch	ATI-TPC150-A220

Product Interface

Industrial Terminals	Wifi	GND	DC 12-36V	USB/UBOOT	USB	TF	HD	LAN	Audio I/O	COM

Product Specifications

Screen Parameters

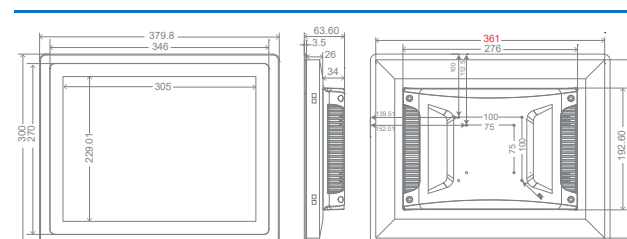| LCD size	15" IPS Display
Resolution	1024×768
Viewing angle	89/89/89/89 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

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	RK3568, Quad-core 64-bit Cortex-A55 core architecture, Up to 2.0GHz
Memory	2G LPDDR4 (Optional 4G/8G)
Storage	32G eMMC (64G/128G Optional)
GPU	ARM Mali-G52 2EE

Product Size

Physical Characteristics

Overall dimensions	W379.8x H300x D63.6mm
Size of opening	W363 x H283mm

Interface Parameters

Industrial terminals	1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/CAN*1/GPIO*3)
Power interface	1*DC2.1, Supporting 12V-36V power input
USB	2*USB3.0
TF	1*TF card standard interface
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
COM	1*RS232
Reset key	Support (1*UBOOT)
WiFi antenna	1*WiFi antenna
Grounding post	1*Grounding post (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

NPU	Built-in NPU with 1TOPS AI computing power
WiFi	WIFI Support
Bluetooth	Support Bluetooth 5.2
Operating system	Android 12.0/ Linux 5.10