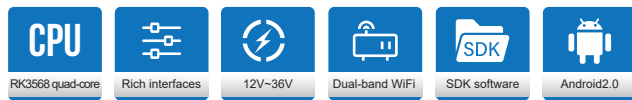


# TPC070-A16

Open Android all-in-one PC adopts CX3568-A high-performance, low-power android series products, with 22nm advanced process; with a 4-core 64-bit Cortex-A55 core architecture, the main frequency up to 2.0GHz; built-in independent NPU, with 1TOPS AI computing power, support for lightweight AI application development, it is the best choice for you in the human-computer interaction, intelligent terminals, industrial control projects. It is your best choice for human-computer interaction, intelligent terminal and industrial control projects.

## Features >>

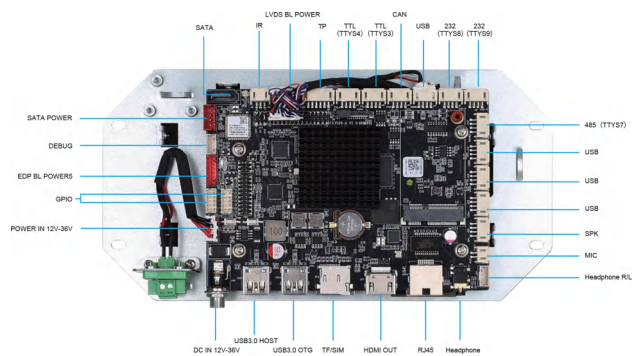
- High integration, realizing WiFi/Bluetooth/Ethernet triple connection
- High definition, high definition screen
- RK3568 quad-core 64-bit Cortex-A55 core architecture, Up to 2.0GHz, Smooth human-computer interaction experience
- Rich interfaces for flexible expansion
- Provide API reference code, support SDK secondary development customization
- Flexible and versatile open installation



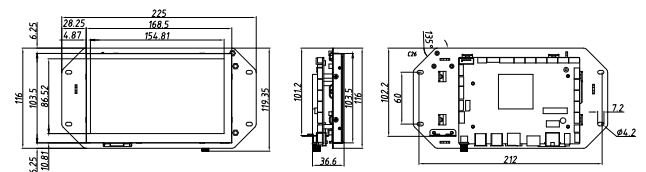
## Product Model

Product Size	7"
Capacitive touch	TPC070-A16

## Product Interface



## Product size



## Physical Characteristics

Overall dimensions	W225x H116x D37.03mm
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## Product Reliability

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, duration 11ms
Authentication	CCC/CE/FCC/EMC/CB/ROHS

## Touch Screen

Touch screen type	10 point touch projection capacitive touch screen
Light transmittance	≥88%
Input mode	Handwriting or capacitive pen
Controller communication	USB

## Product Specifications

### Screen Parameters

LCD Size	7" TFT LCD	Colour	16.7M
Resolution	1024*600 ( Aspect Ratio 16:9 )	Brightness	300 cd/m <sup>2</sup>
Viewing Angle	75/75/70/75 (L/R/U/D)	Contrast ratio	500:1

### Hardware Configuration

CPU	RK3568, quad core	NPU	Built-in NPU with 1TOPS AI computing power
CPU frequency	2.0GHz	USB interface	1*USB3.0 OTG, 1*USB3.0 HOST, 4*USB sockets
GPU	ARM Mali-G52 2EE	COM	Default 2 * 232, 1 * DEBUG port, optional 2 * TTL
RAM	2G DDR3 (Optional 4G/8G)	Picture format	Support BMP, JPEG, PNG, GIF, etc
Storage	32G eMMC (Optional 64G/128G)	GPS	External GPS (optional)
WiFi	2.4GHz	Audio and video output	Support left and right channel output, built-in dual 4R/2W, 8R/2W power amplifier
Bluetooth	BT5.0(Optional)	System upgrade	Support local TF and USB upgrade
Operating system	Android 12.0, Linux5.10, Ubuntu/Debian		

### Power parameters

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