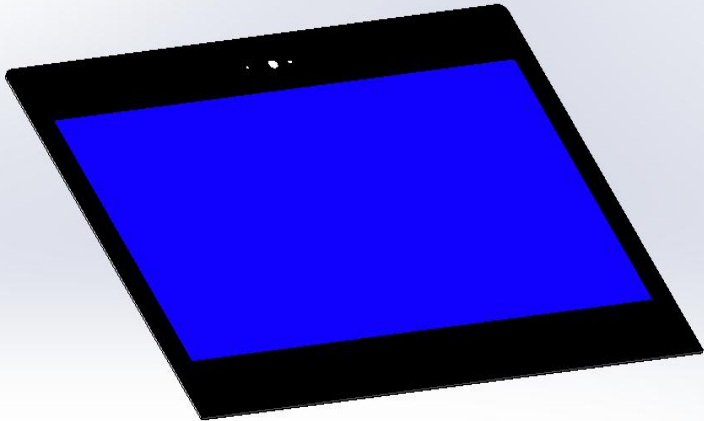


HT2700ZI01AC1K1

HT2700ZI01AC1K1 specifications



HT2700ZI01AC1K1 is a 27-inch integrated screen independently developed by HTDISPLAY. The dual-core Cortex-A72 and quad-core Cortex-A53 architectures with independent NEON coprocessors support H.265 and 4K resolution decoding to deliver impeccable picture quality. Onboard 4G LTE expansion interface, a variety of display interface and communication serial port. Supports Android, Linux, and Ubuntu. Ht-3399a has the advantages of high performance, high reliability, high scalability, multi-system, etc. It is suitable for intelligent robots, 3D cameras, VR equipment, IOT intelligent terminals, vending machines, CRT fire display and so on. Support face recognition, big data operation, visual analysis and many other intelligent technologies.

Features

1: Application design

- ◆ Using high-performance devices
- ◆ Original 27 inch screen with 1920 x 1080 resolution
- ◆ Power input (DC 24V)
- ◆ Wide temperature design (-20°C~+70°C)
- ◆ No Fan design for the whole machine
- ◆ Built in Android operating system

2: Better stability and capability

- ◆ WDT watchdog design ensures system stability
- ◆ Built-in 1.5 kv electromagnetic isolation protection for ethernet interface
- ◆ Built-in 15KV ESD protection for RS232/RS485 interface
- ◆ BUILT-IN 15KV ESD protection for SIM/UIM card interface

3: Standards are easy to use

- ◆ Power on the device to start working
- ◆ Supports 10/100/1000Mbps Ethernet
- ◆ Four-way video output interface is optional: HDMI, LVDS, eDP, MIPI
- ◆ Six-way USB 2.0 interface (HOST) 、Two USB3.0 ports (Type-C/Type -A)
- ◆ Two TTL serial ports, one RS485 serial port, and two RS232 serial ports
- ◆ One I2C interface
- ◆ One MIC input
- ◆ Two 8 Ω 10W high quality speakers
- ◆ Default 2.4G WIF+Bluetooth module

4: Powerful

- ◆ Open Android environment, you can develop and install applications yourself
- ◆ Support 1920*1080 display resolution
- ◆ Support 802.11 b/g/n WIFI network and provide multiple encryption methods
- ◆ Provide rich external interfaces to meet customer application requirements
- ◆ Supports built-in RTC

● 1: Power supply information

Items	contents
Standard power	DC 12V 5A

● 2: Physical properties

Items	contents
Product casing	Metal shell, shockproof design
Product Dimensions	649 x 482 x 37.1 mm (Antenna and mount not included)
power	
weight	

● 3: WIFI parameter

Items	contents
Standards and frequency bands	Support IEEE802.11b/g/n, 2.4G
Transmission rate	IEEE802.11b: maximum transfer rate 11Mbps IEEE802.11g: maximum transfer rate 54Mbps IEEE802.11n: maximum transfer rate 150Mbps
Security encryption	Support WEP, WPA, WPA2 and other encryption methods
Transmit power	15dBm (max)
Receive sensitivity	<-70dBm@54Mbps

4: Hardware system

Items	contents
CPU	Rockchip RK3399 28nm HKMG Dual-core CortexA72 1.8/2.0GHz Quad-core Cortex-A53 up to 1.4GHz
Memory	4GB Dual channel DDR3 16GB EMM(8G/16G/32G/128G)Optional MicroSD(TF) card
Multi-Media	Support MPEG1/MPEG2/MPEG4/H.264/WMV/MKV/TS/FLV and other video formats; Support JPG/JPEG/BMP/PNG and other image formats; Support MP3/ACC and other audio formats;
Ethernet	10/100/1000Mbps ethernet
Wireless network	Onboard WiFi/Bluetooth combo module: - WiFi 2.4GHz/5GHz Dual Band (Support 802.11a/b/g/n/ac protocol) - Bluetooth 4.0 (Support BLE) Onboard 3G/4G LTE (Mini-PCIe interface) module (optional): - Support WCDMA, EVDO, 4G all Netcom
Display	Video output interface: - 1 x HDMI 2.0, Support 4K@60fps output, Support HDCP 1.4/2.2 Display interface (resolution up to 3840*2160, dual-screen simultaneous display, dual-screen different display): - 1 x Dual channel MIPI-DSI - 1 x Dual channel LVDS or RGB - 1 x eDP
Audio	1 x HDMI Audio output 1 x MIC Audio input 1 x MIC Audio input 1 x two-channel speaker (Support left and right channel output, built-in dual 8Ω/10W power amplifier)
Camera	1 x MIPI-CSI camera interface (Built-in 13M ISP, up to 13M Pixel support)
USB	USB 2.0×6, USB Type-A*2&PH2.0mm4P*2 USB 3.0×2, USB Type-A*1&USB Type-C *1 Note: USB is the default HOST, and one Type-C supports OTG
Serial Interface	2 x RS232, 2xTTL level, 1 x RS485
Infrared	1 x infrared receiver, support infrared remote control function
RTC	1 x RTC Realize the clock (support timing switch machine)
Other interfaces	I2C、ADC、GPIO、KEY
FAN	Supports 12V DC fans
POWER	DC12V-5A (Pass DC5.5*2.1mm seat)

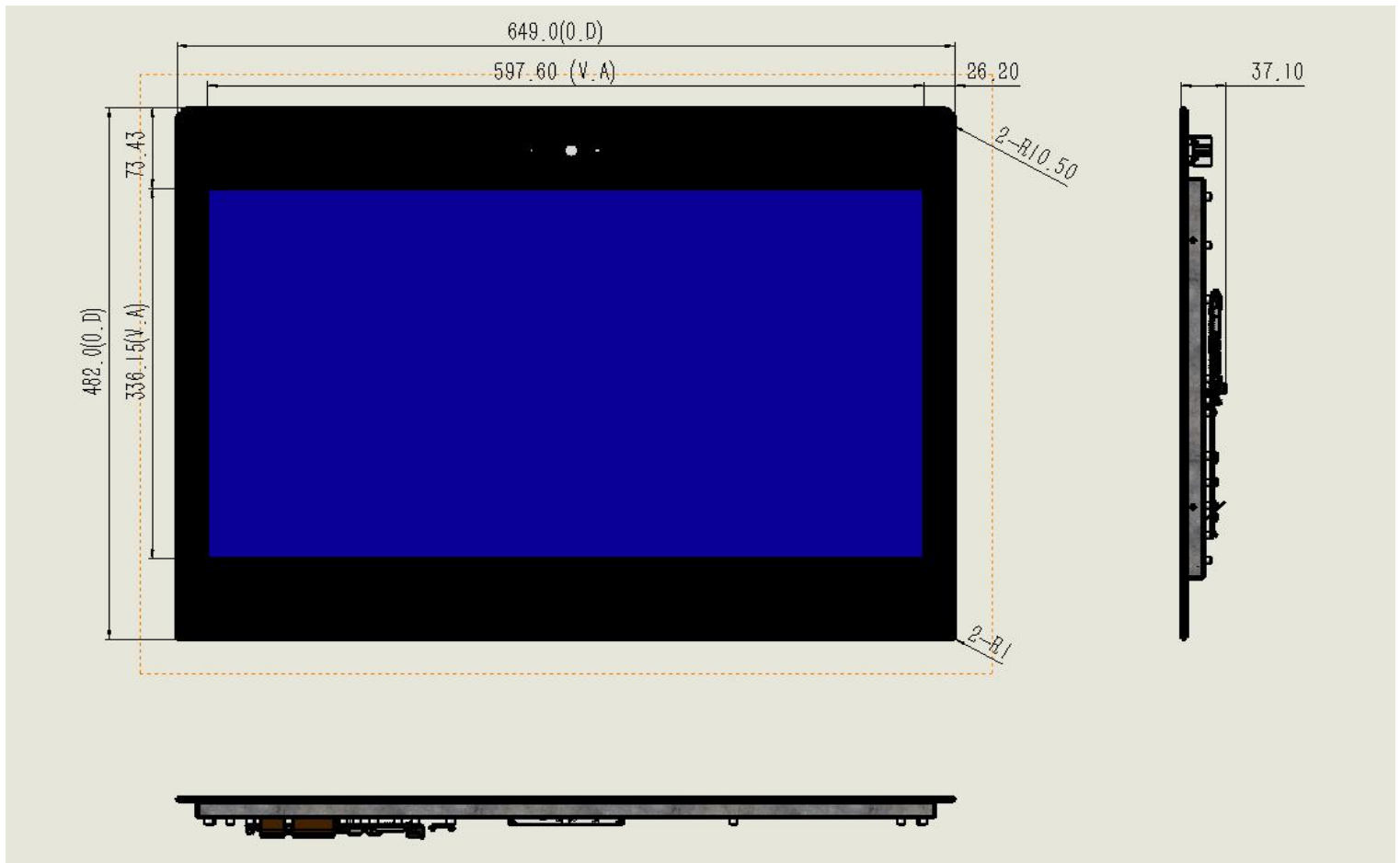
● 5: EMC Test certification (internal)

Items	contents
EMI	GB13837 <<Limits and methods of measurement of radio disturbance characteristics of sound and television broadcast receivers and related equipment>>
EMS Static immunity	GB17626.2-2008 IEC61000-4-2 Level 4 Standard contact discharge 4KV air discharge 4KV

● 6: Other parameters

Items	contents
Operating temperature	-20°C~+70°C
storage temperature	-30~+80°C
Relative humidity	75±20%(no condensation)

● 7: product final size



actual product

