

Rockchip Rk3399 Board Android Industrial Motherboard 4K Display

Control Board

Suitable for smart display terminals, industrial automation terminals, and video terminal products, such as advertising machines, intelligent self-service terminals, new retail intelligent terminals, O2O intelligent devices, robot devices, AI devices, etc

* Embedded Rockchip PCB Android Board RK3399 developing mother board with BT WIFI Ethernet Support, supports Google Android 7.1/8.1/9.0 operating system, RK3399 is based on dual-core A72+ quad-core architecture of six 64-bit, CPU, GPU adoption The latest nuclear quad-core Mali-T860, the overall running score of up to 110,000 points super performance, support the mainstream audio and video formats and picture decoding.

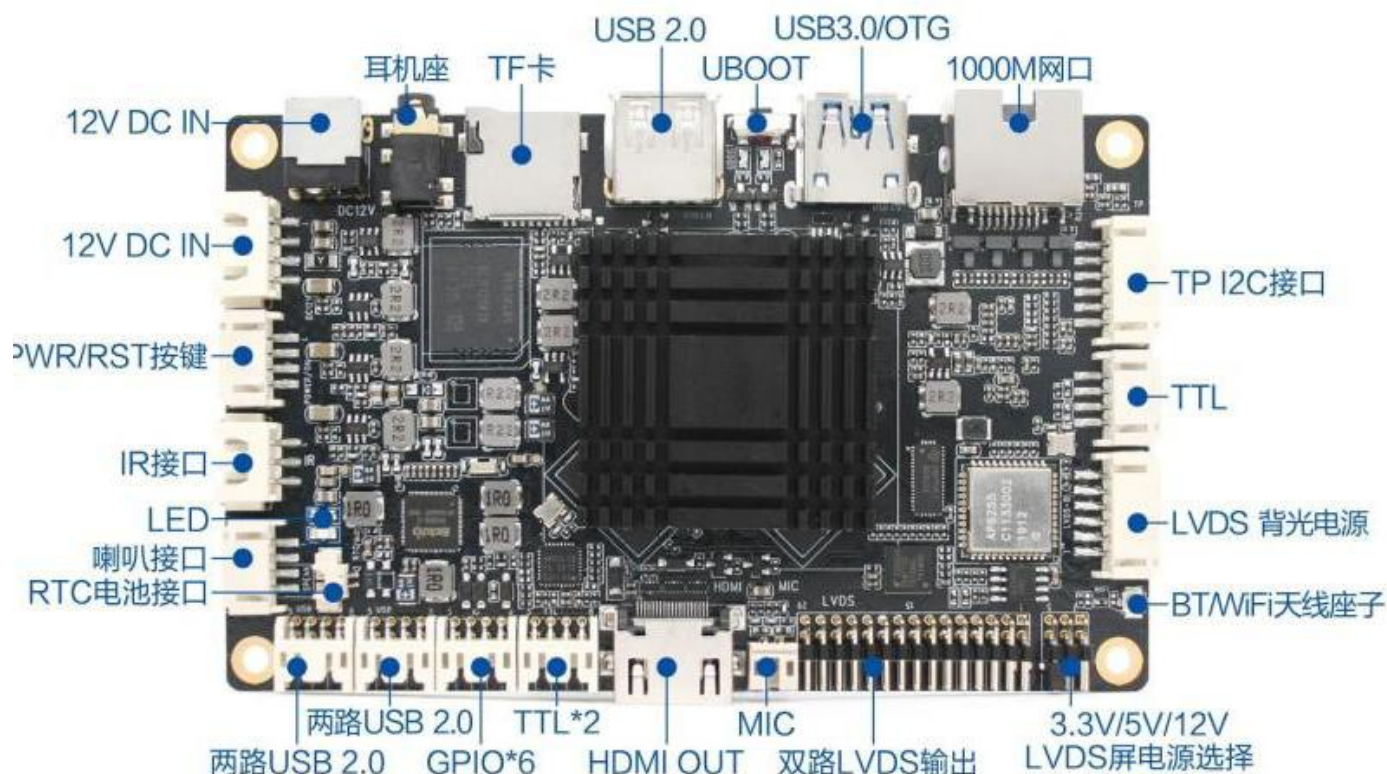
* Dual support dual-screen display function, dual 8 6/8-bit S LVDS interface, support P 1080P output, can drive 7 7 inch to 82 inchinch 1080P display, support PeDP display interface output.

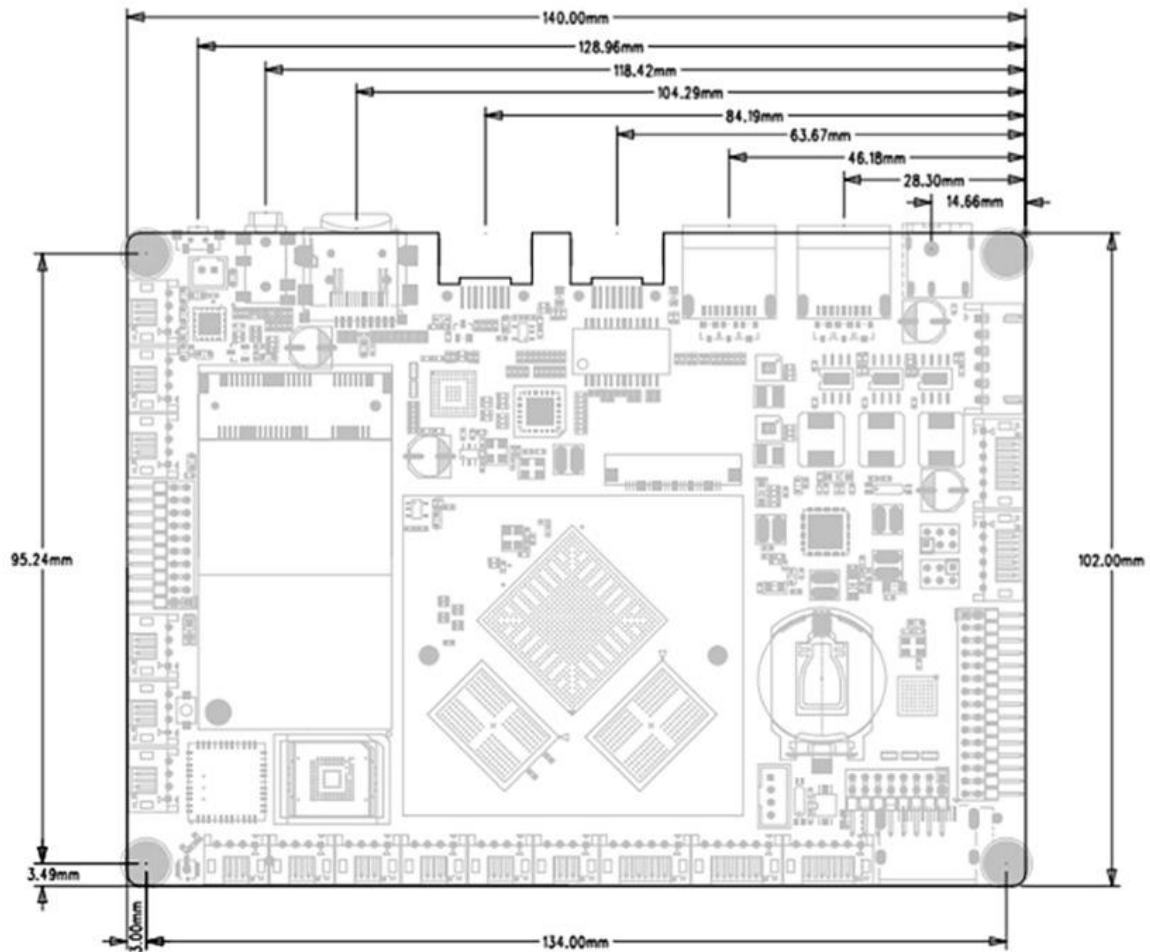
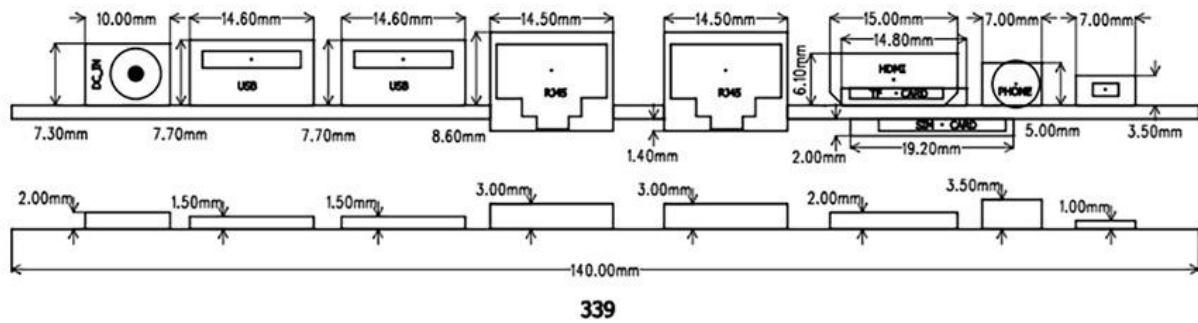
* Support HDMI-4K output, support 4K video playback. Support infrared remote control, support 2.4GHz/5GHz dual-band WiFi, support Bluetooth E 4.1-BLE function, support E TYPE C, support high-speed USB3.0, support UART transfer Wiegand interface / fill light interface / serial port expansion I /IC 2C port expansion I /MIPI camera and other functions,

* Rich interface, a new six -core chip with super performance makes the product more perfect, is widely used in identification, advertising, interactive machine, security , medical, transportation, finance, industrial control and other areas of intelligent control. Due to its hardware platform and intelligent Android features, it can be used on the intelligent terminal board when human-computer interaction and network device interaction are required.

CPU	RK3399, dual Cortex A72+ four Cortex A53, big.LITTLE size six core, 2.0GHz
GPU	dual Cortex A72+ four Cortex A53, big
RAM	DDR3 2GB, up to 4GB
ROM	EMMC FLASH 8GB/16G/32G optional (Default 8GB)
Operating system	Android 7.1
Display interface	1 needle socket EDP interface, 1 needle socket LVDS interface 1 HDMI output, support 4K screen
Dual screen	Support
Backlight voltage	12V output
Display voltage	1 channel 3.3V/5V/12V optional
Internet	1 RJ45 Ethernet interface, support for Ethernet 1 wifi&BT module supporting Wi-Fi 802.11b/g/n/ac protocol.Support BT3.0/BT4.0 support onboard 3G/4G, PCIE deck
TP	Support I2C communication touch, USB multi-point infrared touch, multi-point sound wave touch, multi-point Optics
USB port	6 USB2.0 (4 USB HOST, 1 USB3.0, 1 USB TYPEC),3 inside and outside
IR input	1 way 6PIN socket, IR/LED control
Video playback	Support wmv, avi, flv, rm, rmvb, mpeg, ts, mp4, etc.
Serial port	2-way UART (compatible with RS232)

	1 way 4PIN socket RS485 interface, 1 way 6PIN PH1.25 TTL
Other communication ports	1 I2C interface for GPIO port control
Camera interface	1 30PIN socket FFC, MIPI camera interface can support 1200W pixels
External memory card	TF card, maximum support 128GB
Audio output	Left and right dual channel output, support 8R*5W dual speakers
MIC input	1 MIC input socket, 2PIN PH2.0
Power input	External 1 DC socket input Built-in 1 DC12V output 4PIN2.54 socket
RTC	Support real-time clock, valid within 2 years
Timer switch	Support
IR	IR pin header interface
System Upgrade	Support USB TYPE C upgrade
Decoding	Support 1080P, 4K H.264/H.265 hard decoding
Play mode	Support for publishing multiple playback modes such as loop, timing, and insert
Working Temp	-10℃~70℃
Working Humidity	0%~95% (no condensation)
EMC	FCC, CE, ROHS
Android System	Recommand Android 7.1, Support android 5.1/6.0/8.1
Linux System	Ubuntu 18.04、Debian 9、 Buildroot+QT 2018.02 optional
Size	100mm*80mm*9mm
Image Format	Support BMP, JPEG, PNG, GIF, etc.





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