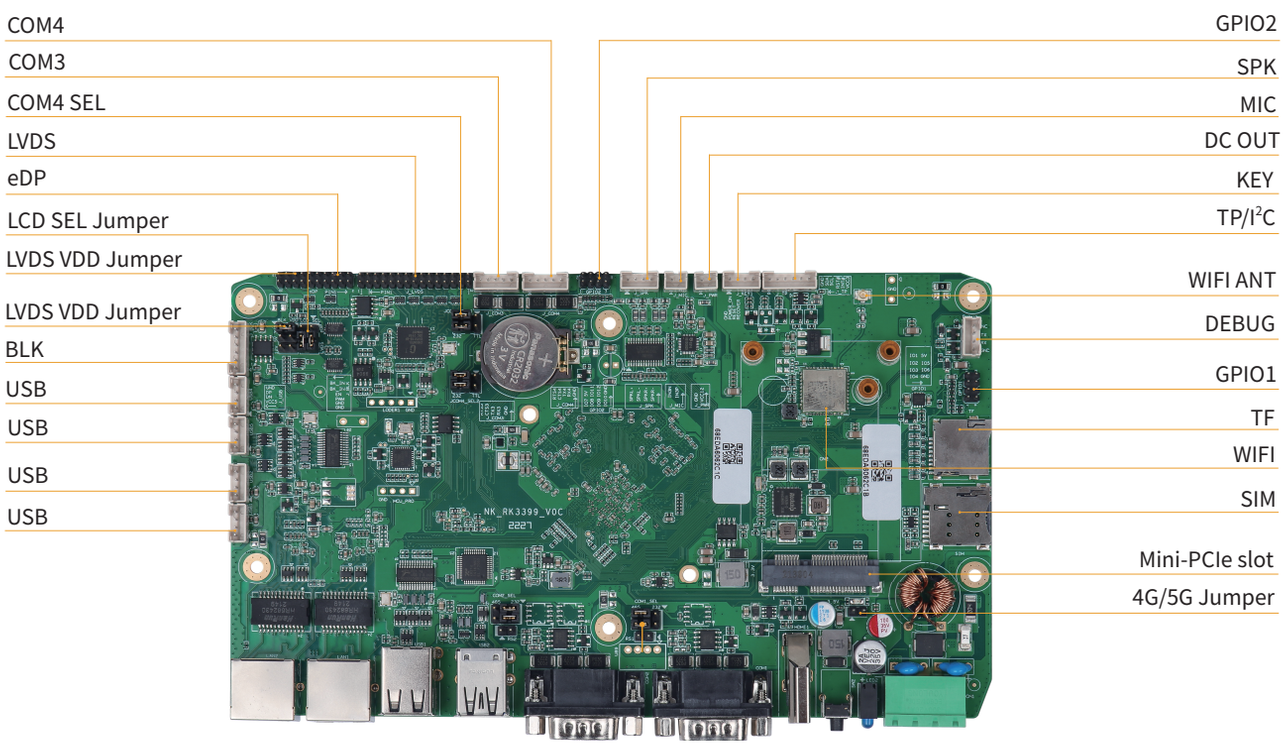
NK-2A10

Rockchip ARM Cortex-A72 RK3399 SBC

特点 Feature

- Rockchip RK3399 ARM Dual Cortex-A72 and Quad Cortex-A53 1.8 GHz
- Onboard 2/4GB LPDDR4 memory and 16/32/64GB eMMC
- Supports 1 x HDMI 2.0 4K, 1 x LVDS, and 1 x eDP
- Provides 2 x GbE(option),1 x USB3.0(OTG),7 x USB2.0,4 x serial,1 x I^2C，12 x GPIO
- Provides a MINI-PCIE with USB 3.0 signal for LTE/5G Modules
- Provides a Onboard WIFI，Support bluetooth5.0
- Supports Linux and Android OS

I/O Layout



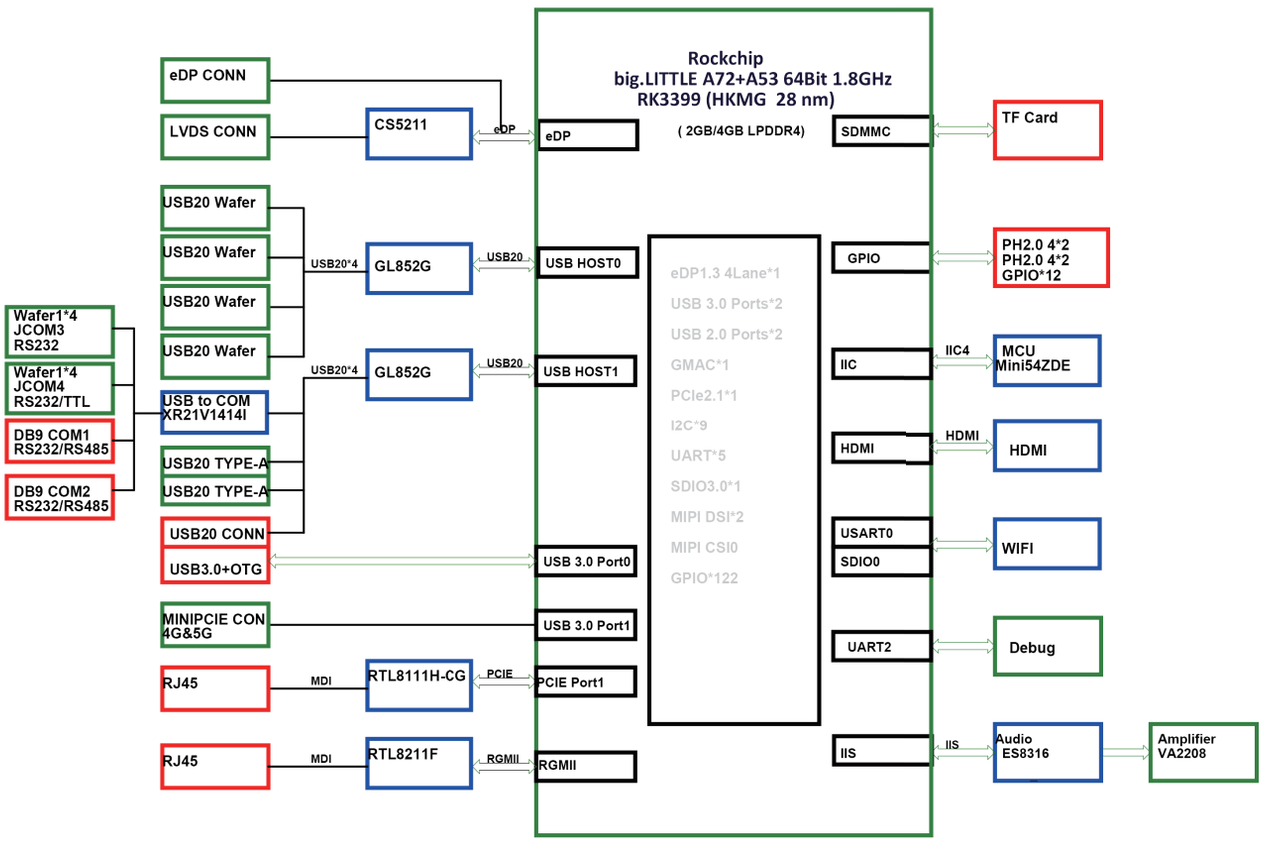


产品规格如有变更，恕不另行通知。All product specifications are subject without notice.

规格 Specification

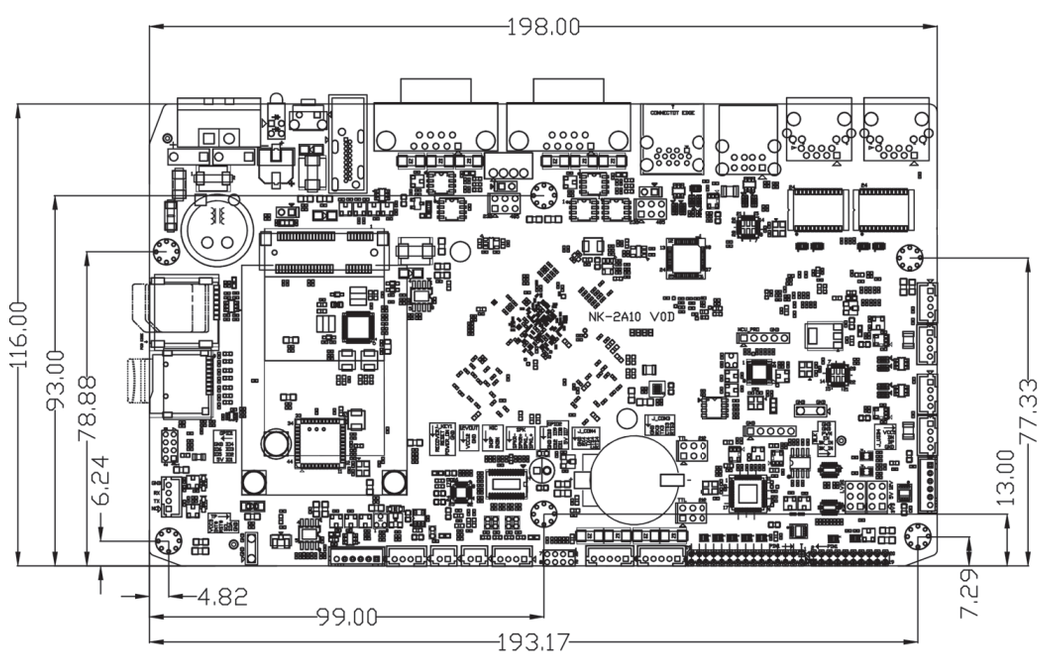
处理器 Processor System	CPU	Rockchip RK3399 ARM dual Cortex-A72 and quad Cortex-A53 1.8 GHz
	GPU	Mali-T860MP4 GPU, OpenGL ES 1.1/2.0/3.1, OpenCL 1.1, DirectX 11
内存 Memory	Memory	Onboard 2/4GB LPDDR4
存储 Storage	eMMC	Onboard 16/32/64GB eMMC
	TF Socket	1 x TF card Socket,Support 128G TF card
外部接口 Rear I/O	Display	1 x HDMI 2.0，up to 3840x2160@60Hz
	Ethernet	1 x GbE (10/100/1000 Mbps)
		1 x GbE (10/100/1000 Mbps),option
		1 x Onboard AW-NM372 IC，Support 2.4G WiFi,support WiFi 802.11b/g/n protocol，Support BT5.0（2.4G/5G option）
	DC IN	12~24V power input, 2-pin lockable DC-IN phoenix terminal block
	USB	1 x USB3.0, OTG Colay,3 x USB2.0
	Button	1 x Return Button
	COM	2 x COM ,COM 1/2 support RS232/485,COM1 default RS485
内部接口 Internal I/O	Display	1 x LVDS
		1 x eDP,up to 1920×1080@60Hz
	DEBUG	1 x DEBUG for debug
	KEY	1 x KEY ,Supports power on,reset,recovery
	Serial Port	2 x COM,COM3 Support RS232,COM4 support RS232/TTL
	USB	4 x USB2.0 pin header
	DC OUT	1 x DC 12V Power Out put
	TP/I^2C	1xTP/I^2C
	GPIO	12 x GPIO
	AUDIO	1 x MIC in,and Speaker out via pin header
Expansion Slots	Mini-PCIe slot	1 x MINI-PCIE with USB 3.0 signal for LTE/5G Modules，1 x SIM card socket
电源 Power	Type	12~24V power input
	Interface	1 x 2-pin phoenix terminal block
	Power Consumption	Boost 15W@12V
O.S Support	OS	Android 7.1.2/Android 11,Debian 10
机械参数 Mechanism	Dimensions	(L)198mm x (W)166mm
	Gross Weight	0.6Kg
环境 Environment	Operating	-20°C ~60°C
	Storage	-30°C ~80°C
	Humidity	5~95% (Non-condensing)
	Vibration	5~500Hz，3Grms operating

框架图 Block Diagram



机构图 Mechanical Drawing

单位 (Unit): mm



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订购信息 Order Information

料号 Part No.	型号 Model	描述 Description
G83.RK3302.0D.NES	NK-RK3399-A_V0D	ARM，RK3399，2G，16G Emmc，Standard，DC 12V~24V ，8*USB,1*LAN
G83.RK3307.0D.NES	NK-RK3399-B_V0D	ARM，RK3399，4G，16G Emmc，Standard，DC 12V~24V ，8*USB,1*LAN
G83.RK3304.0D.NES	NK-RK3399-C_V0D	ARM，RK3399，2G，16G Emmc，Standard，DC 12V~24V，8*USB,2*LAN
G83.RK3305.0D.NES	NK-RK3399-D_V0D	ARM，RK3399，4G，32G Emmc，Standard，DC 12V~24V ，8*USB,1*LAN
G83.RK3306.0D.NES	NK-RK3399-E_V0D	ARM，RK3399，4G，64G Emmc，Standard，DC 12V~24V ，8*USB,1*LAN
G83.RK3310.0A.NES	NK-RK3399-G_V0A	ARM，RK3399，4G，64G Emmc，Standard，DC 12V~24V，8*USB,2*LAN, 双 频 WIFI

包装清单 Packing List

料号 Part No.	数量 Qty	描述 Description
User Manual	1	User Manual for NK-2A10
Terminal block	1	2-pin termianl block

可选配件 Optional Accessories

料号 Part No.	名称 Part Name	描述 Description
C9Z.040F01.00.NDJ	电源适配器套件 (国标线)	标准品，含侨威 KPL-040F-V1 40W, 国标电源线 ,ARM 专用
C9Z.040F02.00.NDJ	电源适配器套件 (欧标线)	标准品，含侨威 KPL-040F-V1 40W , 欧标电源线 ,ARM 专用
F06.000030.00.NDJ	4G 套件	Mini-PCIe 模组，USB 总线，含 :4G 扩展卡，7 模全网通 EC20CEHDLG\ 内部馈线 L=150mm\ 外部吸盘天线 L=3M
F06.000031.00.NDJ	4G 套件	Mini-PCIe 模组，USB 总线，含 :4G 扩展卡，7 模全网通 EC20CEHDLG\ 内部馈线 L=150mm\ 外部船桨天线 L=17CM