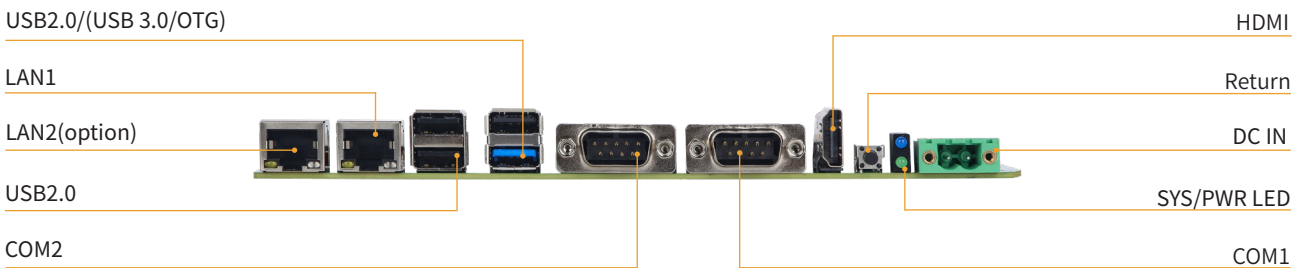
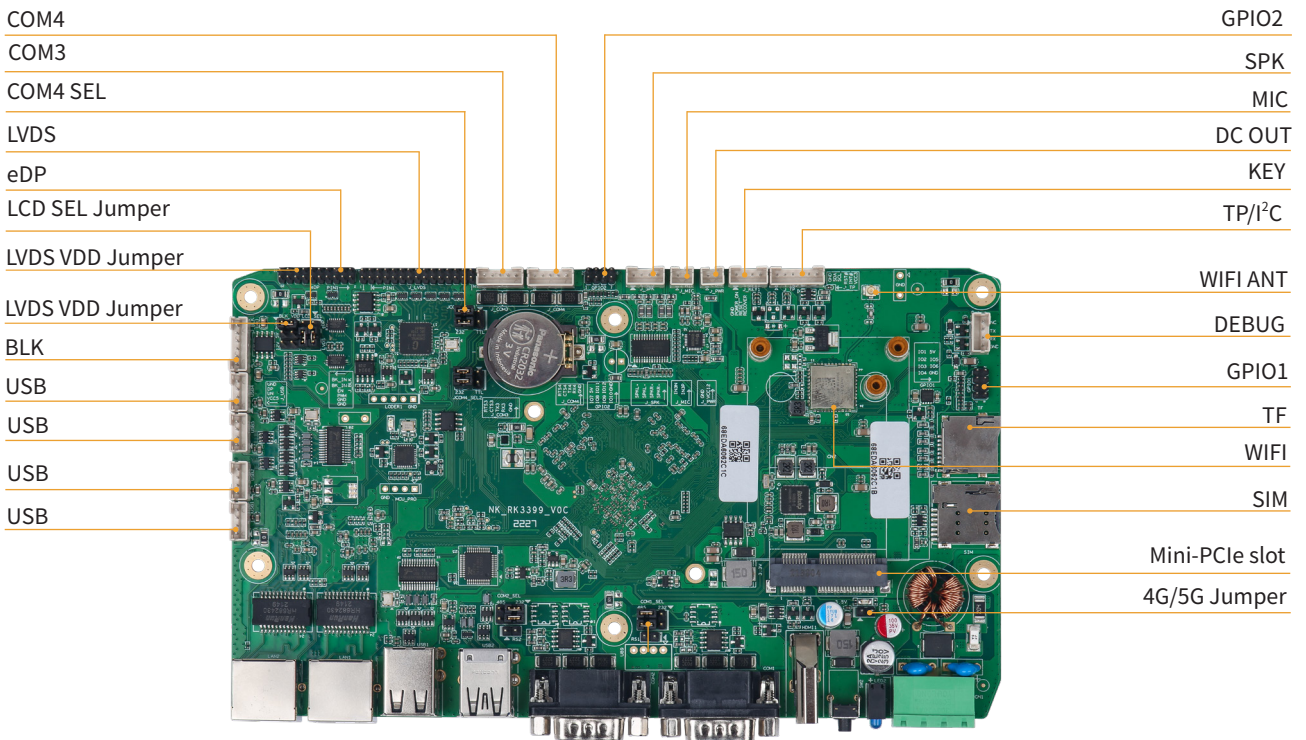


NK-2A10

Rockchip ARM Cortex-A72 RK3399 SBC

特点 Feature

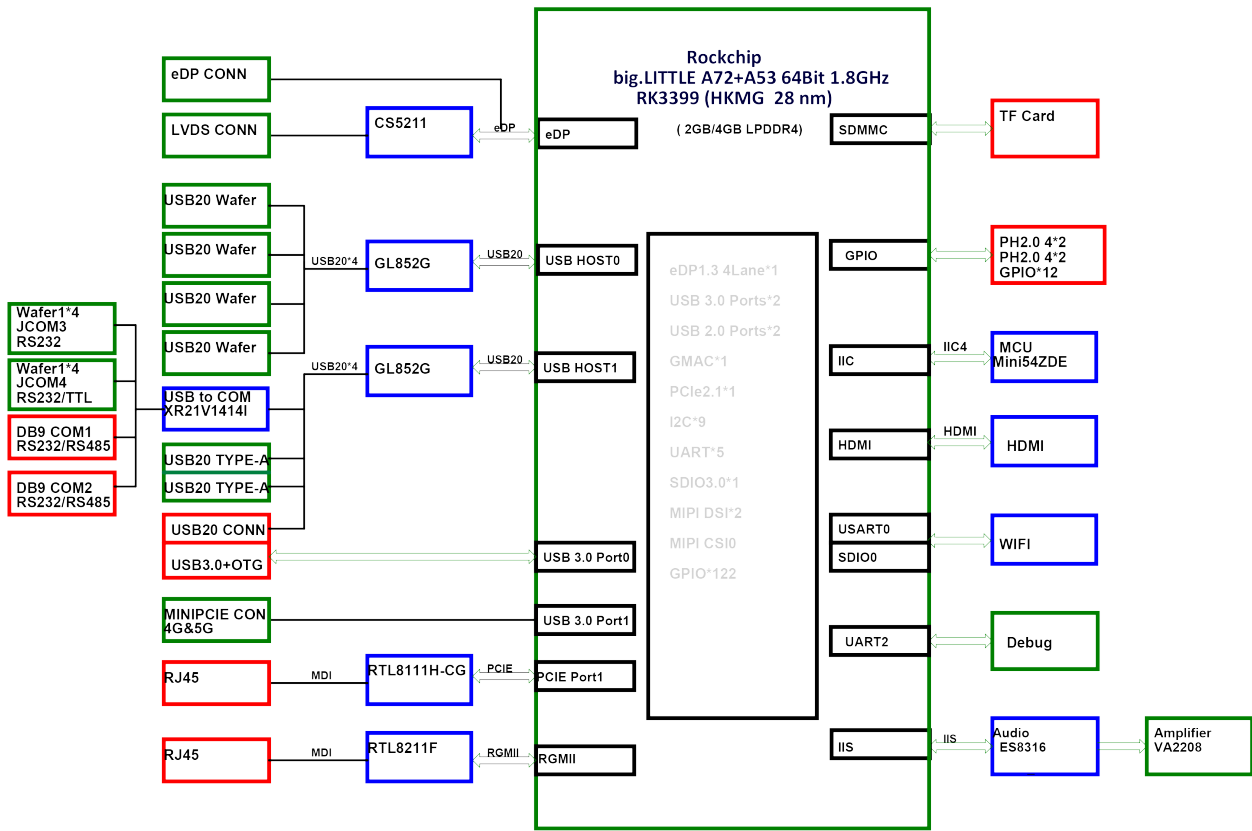
- Rockchip RK3399 ARM Dual Cortex-A72 and Quad Cortex-A53 1.8 GHz
- Onboard 2/4GB LPDDR4 memory and 16/32/64GB eMMC
- Supports 1 x HDMI 2.0 4K, 1 x LVDS, and 1 x eDP
- Provides 2 x GbE(option),1 x USB3.0(OTG),7 x USB2.0,4 x serial,1 x I²C, 12 x GPIO
- Provides a MINI-PCIE with USB 3.0 signal for LTE/5G Modules
- Provides a Onboard WIFI, Support bluetooth5.0
- Supports Linux and Android OS



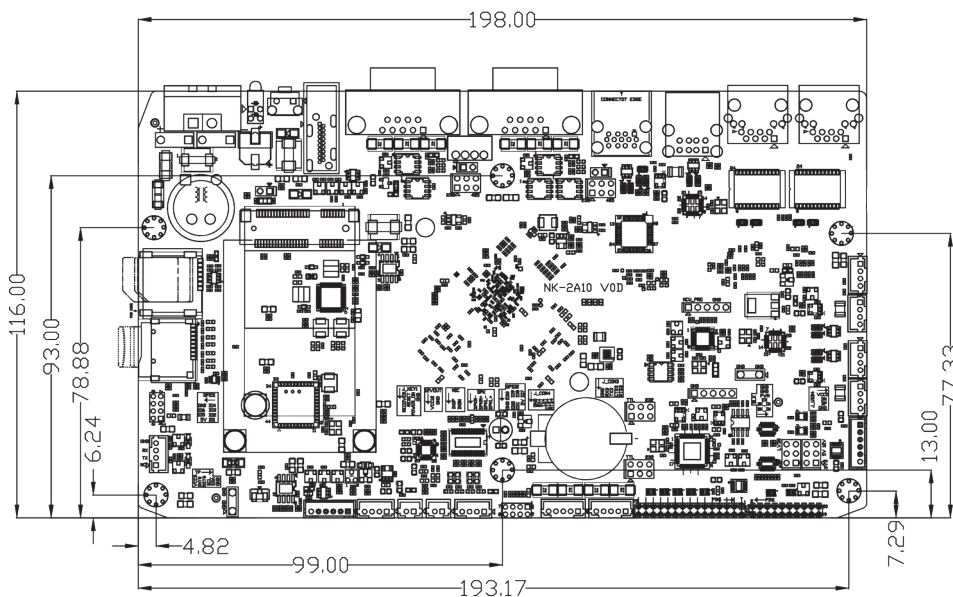
规格 Specification

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 ² C	1xTP/I ² C	
	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

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-PCle 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-PCle 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
F06.000095.00.NDJ	4G 套件	Mini-PCle 模组, USB 总线, 含 :4G 扩展卡, 5 模全网通 L716-CN\ 内部馈线 L=100mm\ 外部吸盘天线 L=3M
F06.000096.00.NDJ	4G 套件	Mini-PCle 模组, USB 总线, 含 :4G 扩展卡, 5 模全网通 L716-CN\ 内部馈线 L=150mm\ 外部船桨天线 L=17CM