

eFish-SBC-RK3568

Rockchip RK3568 Processor based Fanless Embedded 3.5" Motherboard

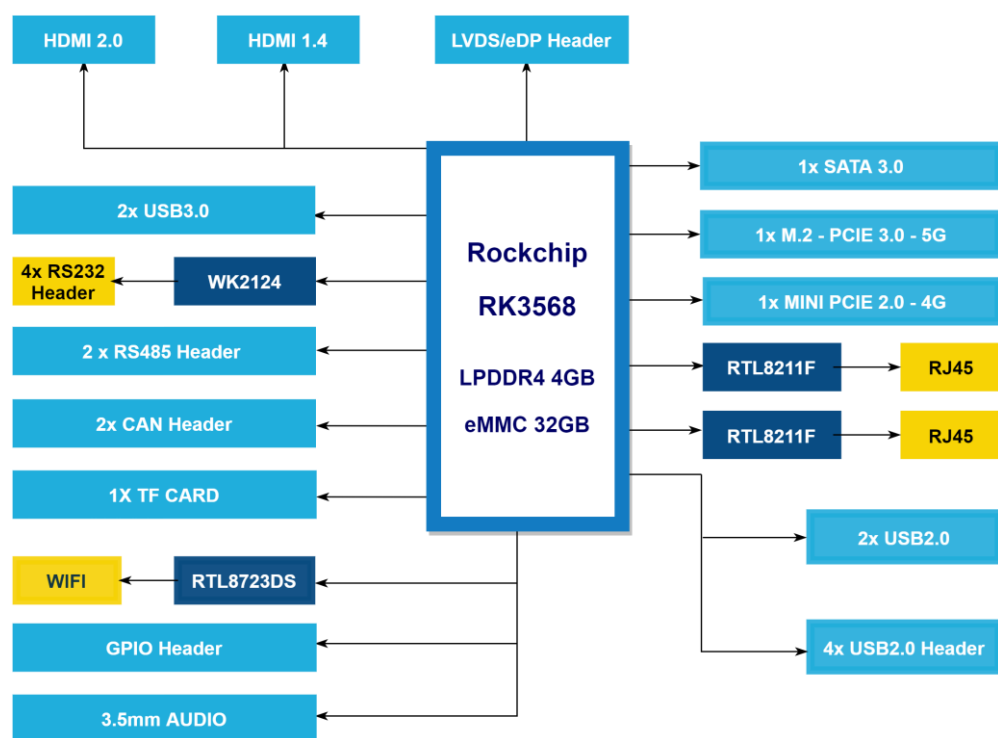


Features:

- Rockchip RK3568 4核 Cortex A55, 2.0GHz主频
- LPDDR4 4GB, eMMC 32GB
- HDMI 1.4, HDMI 2.1, eDP/LVDS; 三屏同显, 异显
- 支持 Wi-Fi、4/5G
- 2x USB3.0; 6x USB2.0; 2x CAN; 6x RS232;
2x RS485; 1 x SATA 3.0
- 3x adc in; 1 x i2c; 14x gpio; Uart x 2
- 9~36V电源输入



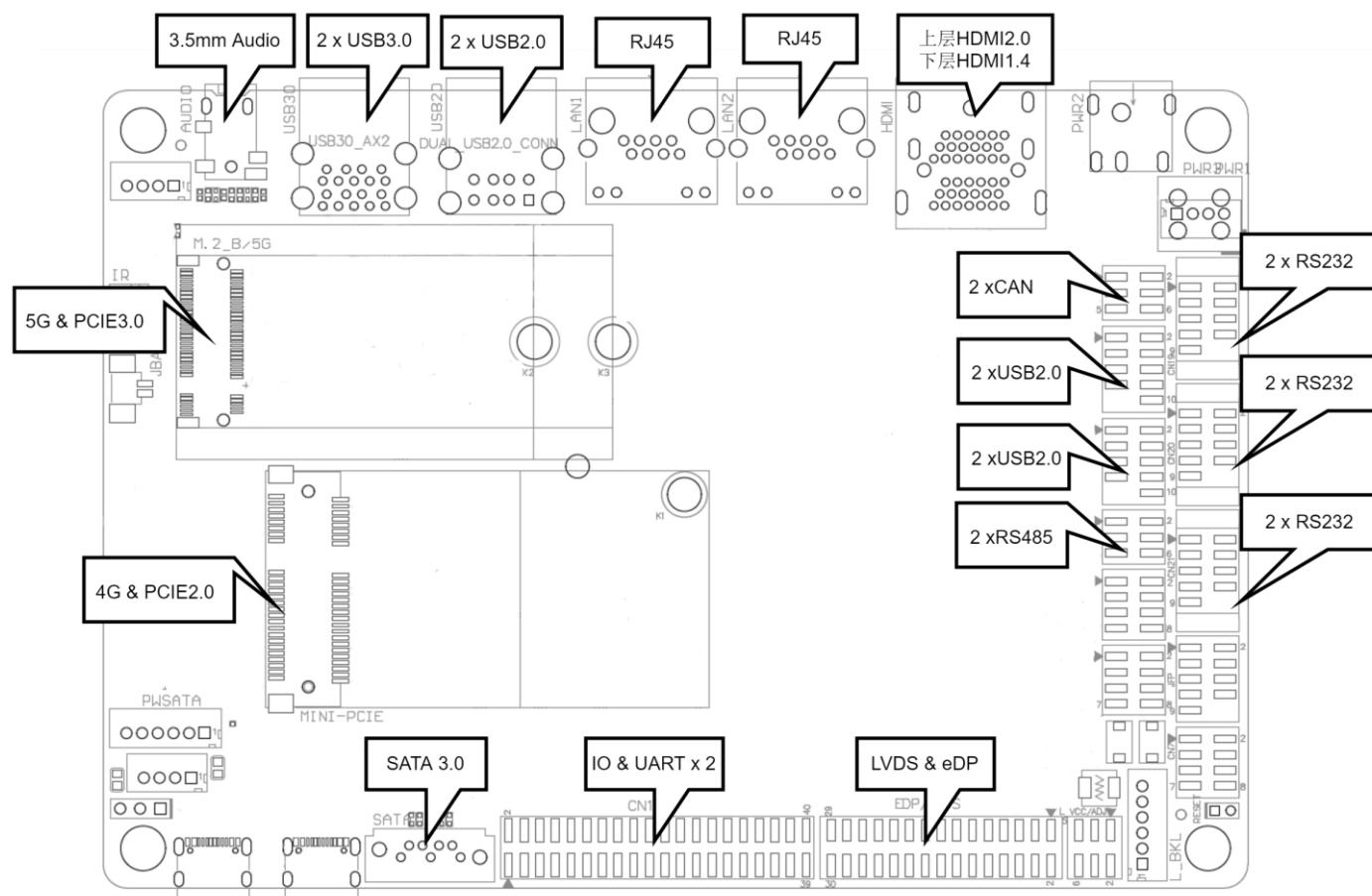
Block Diagram



Specifications:

Processor System	CPU	Rockchip RK3568
	Cores	四核-A55
	Base Frequency	2.00 GHz
	TDP	2W
Memory	RAM (板载)	LPDDR4x 4GB
	ROM (板载)	eMMC 32GB
Graphics	Chipset	Mali-G52 GPU
	Graphic Engine	Codec h264/h265/HEVC (10 bit), JPEG, AV1, AVC, VP8, VP9, JPEG
	Triple Display	HDMI + eDP/LVDS
Ethernet	LAN	10/100/1000 Mbps x 2
	Controller	GbE LAN1-2: Realtek RTL8111H
Storage Connector	USB 2.0	6
	USB 3.0	2
	M.2_B/5G	1(PCIE 3.0 & 5G)
	Mini-PCle	1 (PCIE2.0 & 4G)
	SATA3.0	1
	HDMI Port	HDMI 1.4
	HDMI Port	HDMI 2.0
	eDP/LVDS	1 (share a pin-header)
	Audio	1 (Line-out, Mic-in)
	Serial Port	6 (4x RS-232, 2x RS-485)
	RJ45	2
	ADC IN	3
	I2C	1
	GPIO	14
	UART	2
	MicroSD Card	1
Environment	Input Mode	DC 9~36V (Default DC12V 3A)
	Standard Port	DC_044A-2.1mm
Environment	Operating Temp.	-20°C to 85°C
	Storage Temp.	-40°C to 90°C
Regulation	OS	Linux, Ubuntu
	Dimensions	146 x 102 x 29mm

Interface diagram



Ordering Information:

Part Number	Product Name	Description
	eFish-SBC-RK3568	HDMI; eDP/LVDS; 2x GBE LANs; 8x USB; 2x COM

Packing List:

Part Number	Description
	1 x eFish-SBC-RK3568 Unit
	1 x Radiator