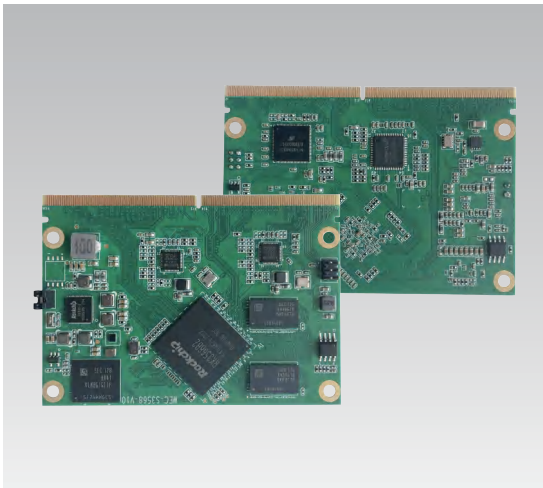




WEC-S3568

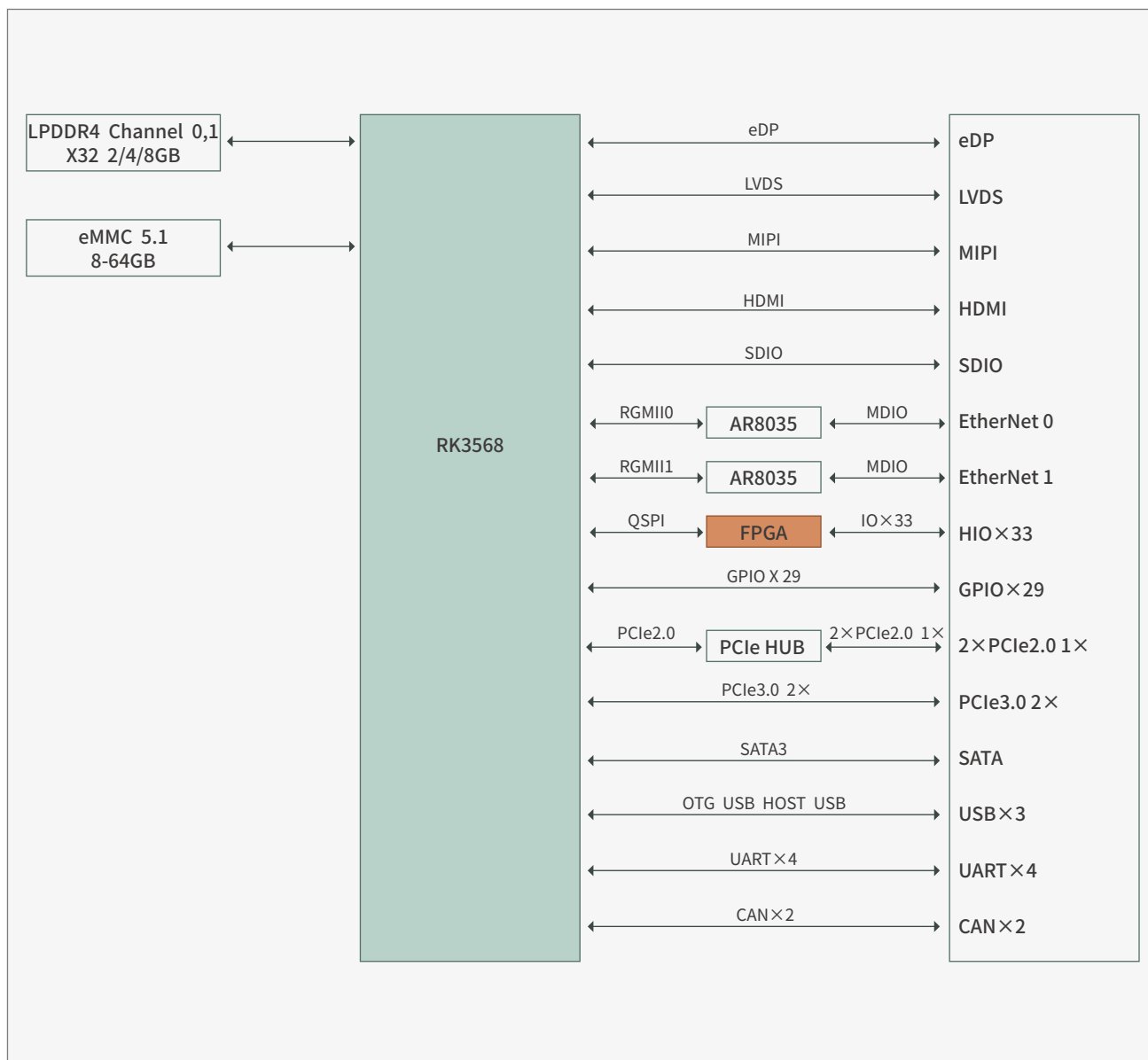
FEATURE:

- Belong to the "Sprite" series core-board, featuring excellent compatibility and being compatible with other core boards of the Sprite series
- 4×ARM Cortex-A55 processor, 2.0GHz
- NPU with 1 Tops computing power
- Up to 8 GB memory
- 2 × GbE, 10/100/1000Mbps
- Support USB, HDM, LVDS, eDP
- Support 33 high-speed I/Os, provided by the integrated FPGA

SPECIFICATION

Product Model	Product Model	WEC-S3568
SoC	SoC module	RockChip RK3568
	CPU	Quad-core ARM Cortex-A55 processor, Frequency up to 2.0 GHz
	NPU	AI Computing Power: 1 Tops @Int 8, Support mixed operations of int4/int 8/int 16/FP16
	GPU	ARM Mali-G52 2EE, Support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
	VPU	Supports H.265/H.264 video encoding, up to 1080P@60fps Supports H.265/H.264/VP9 video decoding, up to 4K @60fps Supports 48M ISP and HDR
Memory	Type	LPDDR4, Onboard Memory
	Max Capacity	8 GB
Storage	eMMC	eMMC 5.1, 8/16/32/64/128/256GB
	SATA	1× SATA 3.0
	SD Card	1×SDIO
Display	HDMI	1, 4096×2304 @60Hz, 1920×1080 @120Hz
	LVDS	1, 1920×1080 @60Hz
	eDP	1, 2560x1600 @60Hz
	MIPI_DSI	1, 1920×1080@60Hz
Ethernet	LAN	2, 10/100/1000 Mbps, AR8035
I/O Interface	USB	1×USB 3.0, 4×USB 2.0 (Including 1×OTG)
	UART	6, Including 1×Debug
	CAN	2
	GPIO	29
	High-speed IO	33, Provided by the integrated FPGA
	PCIe	1 × Single-lane PCIe 2.0, 2 × Single-lane PCIe 3.0
	I2C	1
	I2S	1
	SPI	1
Operating System	OS	Android 11.0、Ubuntu 18.04
Power Supply	Type	DC
	Input Voltage	12-24 V
Environment	Operating Temp.	Common grade: -10~60°C, Industrial grade: -40~85°C
	Storage Temp.	-40~85°C
	Operating Humi.	10-90% @ 40°C, non-condensing
	Storage Humi.	0-95% @ 60°C, non-condensing
Dimension	Outside Dime.	82mm×58mm

BLOCK DIAGRAM



ORDER INFORMATION

产品型号	CPU	内存	eMMC	以太网	USB	UART	CAN	GPIO	高速IO	HDMI	PCIe	工作温度
WEC-S3568	RK3568	2/4/8GB	8-256GB	2	4	6	2	29	33	1	3	-10 ~ 70 °C
WEC-S3568I	RK3568J	2/4/8GB	8-256GB	2	4	6	2	29	33	1	3	-40 ~ 85 °C

本产品型录旨在展示研智科技产品的主要而非全部信息, 研智科技保留对产品信息的最终解释权, 并有权在必要时更新产品而不事先通知。
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