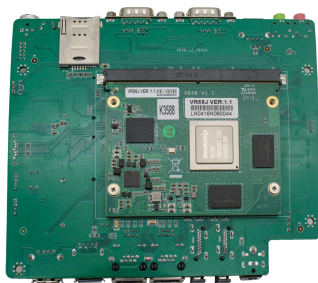


VR58J(VR58-L2)

Suitable for: Edge Computing, Industrial Automation, Digital Signage, Medical Care etc; **OEM/ODM available**



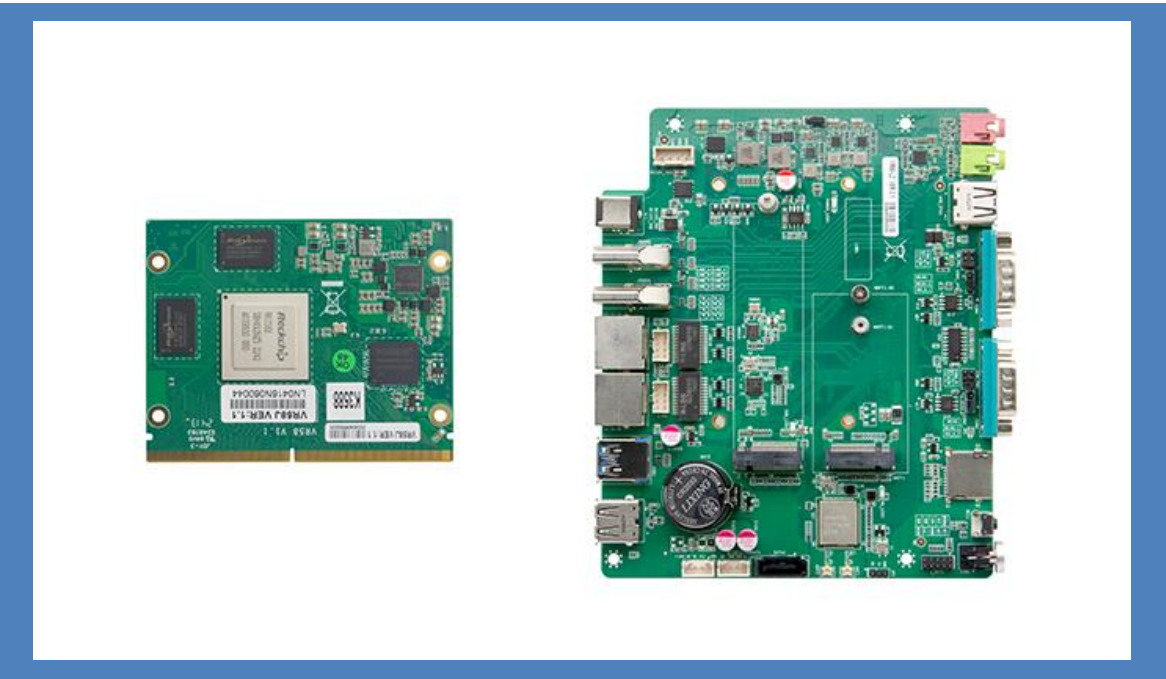
Main Features

- Onboard Rockchip RK3588 Cortex-A76/2.4GHz and Cortex-A55/1.7GHz Quad-core Processor
- Onboard LP DDR4 4G RAM(up to 32GB)
- Onboard eMMC 64G memory (up to 128GB); 1x TF card slot
- 2x GbE ports ; 2x USB2.0, 1x USB3.0
- 2x HDMI-OUT
- 1x M.2, support 4G/5G module; 1x SATA; 1x MXM; 1x Burning key
- 1x WIFI&BT module
- 2x COM; 1x SIM/TF card
- DC_12V Power Input

Specification :

Model No.	VR58J(VR58-L2) VER:0.1
Processor	RK3588 quad-core Cortex-A76, 2.4GHz and quad-core Cortex-A55, 1.7GHz (8 cores in total) processor
Chipset	Based on RK3588 SOC platform
Memory	Onboard LPDDR4 4GB (2GB/8GB/16GB optional) memory, up to 32GB
Display	ARM Mali-G610 MP4 quad-core GPU, supports OpenGL ES3.2 / OpenCL 2.2 / Vulkan1.1, 450 GFLOPS 2x HDMI-OUT Support 4 screens for simultaneous display and 4 screens for separate display
Network	2x RTL8211F Gigabit network 1x WIFI/BT module
Storage	1x eMMC5.1 memory chip 64G (16GB/32GB/64GB/128GB optional) Support TF card expansion
Expansion slots	1x M.2 supports 4G/5G module, 1x M.2 M Key is connected to the accelerator/hard disk, 1x MXM is connected to the core board
Front panel I/O interface	1x USB2.0 1x USB3.0 2x RJ45 Gigabit network interface 2x HDMI-OUT 1x DC12V 1x 3PIN 12-36V; DC12-36V(reserved for P1021-PW wide voltage small board)
Backplane I/O interface	1x Power button 1x Burning key 1x SIM/TF 2x DB9 (RS232 and RS485 jumper switch) 1x USB2.0 1x Line-out 1x Mic
Built in I/O interface	1x M.2 Key-M slot. Supports M.2 2280 NVME PCIe X4 specification SSD 1x M.2 Key-B slot, supports 2242/2252 5G module 1x MXM seat 1x SATA3.0 hard disk interface, 7pin 1x Hard disk power supply interface, 1x 4pin, PH=2.0mm 1x FAN interface, 1x 4pin, PH=2.0mm (reserved)
Built-in pins	1x 4pin power socket (ph=2.5mm)
Power Type	DC 12V power input
OS	Android 12, Ubuntu 22.04(used with VR58J core board)
Working temperature	-10℃~60℃
Storage temperature	-20℃~70℃
Working Humidity	5%-95% relative humidity, no condensation

Dimension	148 x 123.5 x 1.6mm (6-layer board, screw hole specifications: Ø3.2mm x 4)
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Ordering info:

NO.	Model	Core Board	Processor	Frequency	Memory	eMMC	HDMI-OUT	LVDS	EDP	WIFI	LAN	USB	COM	Power
1	VR58J(VR58-L2) VER:0.1	VR58J	RK3588	2.4GHz	8G	64G	2	/	/	1	2	3	2	DC12V