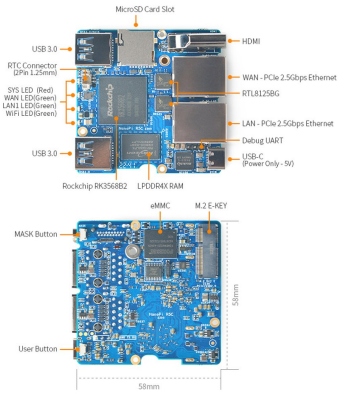
Art.-Nr.: 228106
Herst.-Nr.: R5C-PCB-4GB

FriendlyELEC NanoPI R5C Dual-2.5G ETH 4G RAM / 32G emmC Mainboard

>>> Zum Shop-Artikel

– Layout & Interface

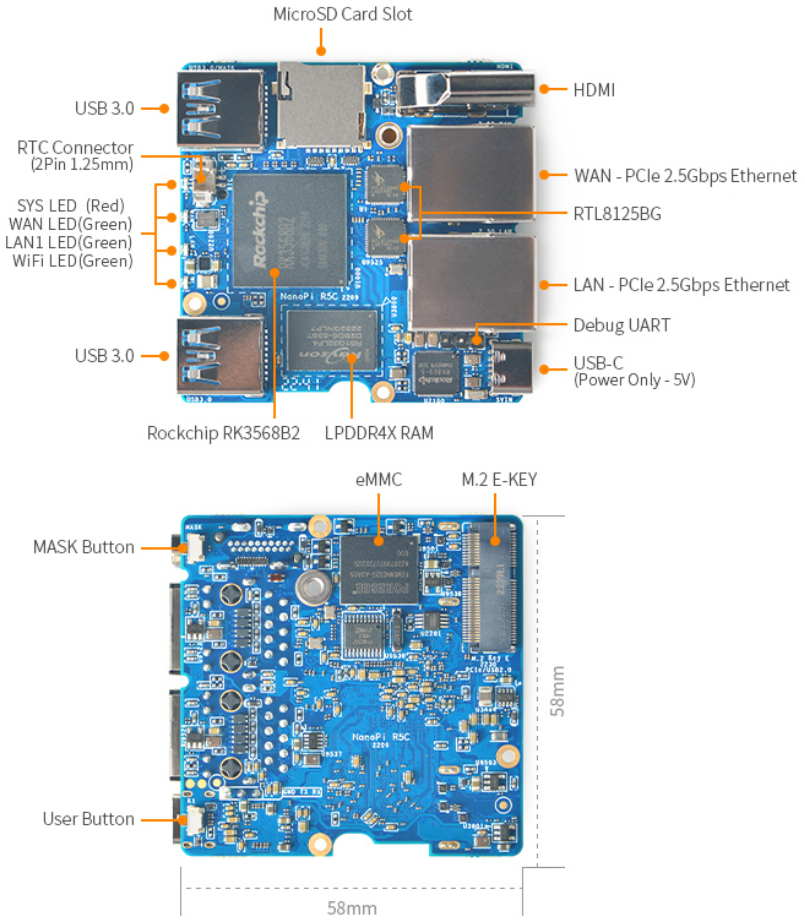


EAN CODE

4 0 3 8 8 1 6 2 2 8 1 0 9

Just the Mainboard!

– Layout & Interface



CPU	Model: Rockchip RK3568B2 Number of Cores: Quad-core ARM Cortex-A55 Frequency: 4 x Cortex-A55 up to 2.0GHz
GPU	Mali-G52 1-Core-2EE, supports OpenGL ES 1.1/2.0/3.2, Vulkan 1.0/1.1, OpenCL 2.0 Full Profile
VPU	4KP60 H.265/H.264/VP9 video decoder, 1080P60 H.264/H.265 video encoder
NPU	Support 0.8T
Memory	RAM: 1GB/2GB/4GB LPDDR4X
Storage	MicroSD Slot x1: support UHS-I Flash:0GB/8GB/32GB eMMC
Connectivity	Ethernet: PCIe 2.5G Ethernet Ethernet x2, RTL8125BG chip M.2 E-Key x1: PCIe2.1 x1, USB 2.0 x1, supports M.2

	WiFi and Bluetooth Module
Video Output	HDMI: support HDMI1.4 and HDMI2.0 operation support up to 10 bits Deep Color modes support up to 1080p@120Hz and 4096x2304@60Hz support 3-D video formats
USB	USB 3.0 Host x2: USB 3.2 Gen 1 Type-A USB-C x1: Power Only(5V)
Pin-header	Debug: Debug UART x1, 3 Pin 2.54mm header, 3.3V level, 1500000bps
LED	SYS LED(Red) x1 WAN LED(Green) x1 LAN1 LED(Green) x1 LAN2 LED(Green) x1
Button	MASK Button x1 for eMMC update User Button x1
Others	RTC Battery: 2 Pin 1.27/1.25mm RTC battery input connector for low power RTC IC HYM8563TS Working Temperature: 0? to 70?
Power	USB-C, 5V input

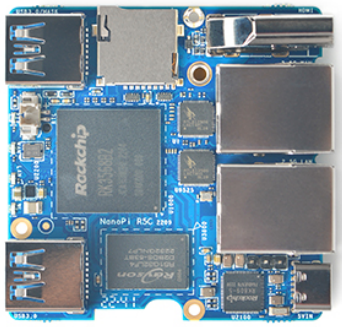
– OS/Software

OS Support	FriendlyWrt 21.02 FriendlyWrt 22.03 Android 12 Tablet Android 12 TV FriendlyCore Lite 20.04 Debian 10 Desktop Debian 11 Desktop Buildroot
Kernel version	Linux-5.10-LTS U-boot-2017.09

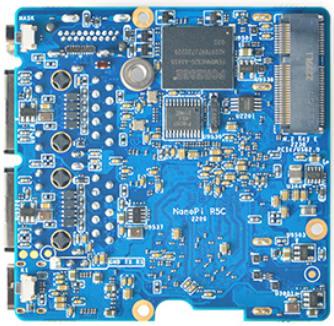
– Dimension

PCB	8 Layer
Weight	38g(without Case) / 149g(with Case)
Dimension	58x58x1.6mm (without Case) / 62.5x62.5x29mm (with Case)

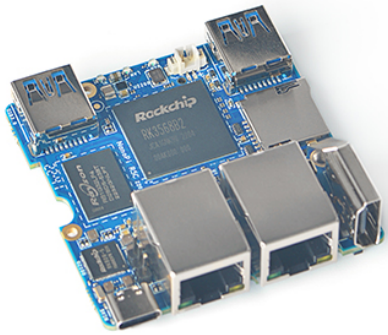
– Gallery



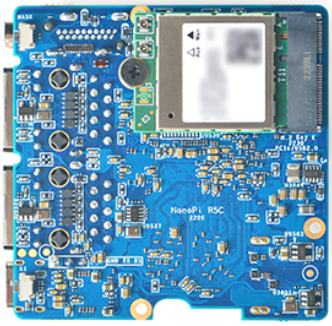
R5C - Front



R5C - Back



R5C - Overview



R5C - with WiFi Module(Optional)



NanoPi R5C with CNC Metal Case - Right



NanoPi R5C with CNC Metal Case - Left