

M1S ODROID

- **FORM FACTOR** Board Dimensions: 90mm x 65mm x 16mm
 - Weight: 52g including heatsink
- **PROCESSOR** Rockchip RK3566 Processor
 - L1 instruction cache: 32 KB, 4-way set associative (128 sets), 64 byte lines, shared by 1 processor
 - L1 data cache: 32 KB, 4-way set associative (128 sets), 64 byte lines, shared by 1 processor
 - L3 data cache: 512KB , 16-way set associative (512 sets), 64 byte lines, shared by 4 processors
 - Quad-Core Cortex-A55 (1.8GHz)
 - ARMv8-A architecture with Neon and Crypto extensions
 - Mali-G52 MP2 GPU with 4 x Execution Engines (800Mhz)
- **MEMORY** LPDDR4 4 or 8GiB with 32-bit bus width, Data rate: 2112 MT/s, up to 1,055MHz
- **STORAGE** 1 x 64GB eMMC embedded (soldered to the PCB)
 - 1 x Micro SD slot + 1 x NVME M.2 SSD (PCIe 2.1 x 1 lane)
- **NETWORKING** 1 x GbE LAN ports (RJ45, supports 10/100/1000 Mbps)
- **VIDEO** 1 x HDMI 2.0 (up to 4K@60Hz with HDR, EDID)
- 1 x MIPI DSI Interface (30pin connector which is different from 31pin of the original ODROID-M1)
 - **EXTERNAL I/O** 1 x USB 2.0 host port
 - 1 x USB 3.0 host port
 - 1 x USB 2.0 micro OTG port
 - 1 x Debug serial console (UART)
 - 1 x 40 pin GPIO and 1 x 14 pin GPIO
 - 1 x USB Type C for Power only
 - DC input : 4.9V ~ 5.3V

