

Tinker Board R2.0

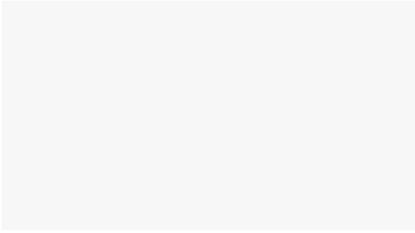
ARM-based SBC with enhanced and better compatibility

Powered by an ARM-based Mali™-T764 GPU, Tinker Board S R2.0's GPU and fixed-function processors allow for a wide range of uses, including high-quality media playback, gaming, computer vision, gesture recognition, image stabilization and processing, as well as computational photography and more.



CPU	Rockchip Quad-Core RK3288-CG.W processor
Memory	2GB Dual Channel DDR3
Graphic	Integrated Graphics Processor ARM® Mali™-T764 GPU*1
Storage	Micro SD(TF) card slot
LAN	RTL GB LAN
Wireless Data Network	802.11 b/g/n, Bluetooth V4.2 + EDR
Audio	RTL ALC4030U CODEC

USB Ports	4 x USB 2.0
Internal I/O Ports	<p>1 x 40-pin headers:</p> <ul style="list-style-type: none"> - up to 28 x GPIO pins - up to 2 x SPI bus - up to 2 x I2C bus - up to 4 x UART - up to 2 x PWM - up to 1 x PCM/I2S - 2 x 5V power pins - 2 x 3.3V power pins - 8 x ground pins <p>1 x 2-pin contact pin:</p> <ul style="list-style-type: none"> - 1 x PWM - 1 x S/PDIF <p>1 x 15-pin MIPI DSI</p> <p>1 x 15-pin MIPI CSI</p>
Accessories	Passive heatsink* ² User manual
Form Factor	3.37 inch x 2.125 inch (8.55 cm x 5.4 cm)
Weight	55g
Environment	<p>Operation temperature: 0°C ~ 60°C</p> <p>Non operation temperature: -40°C ~ 85°C</p> <p>Non operation humidity: 0% ~ 85% (Non condensing)</p>
OS Support	Debian 10 / Android 11
Note	*1. The ARM® Quad-Core Mali GPU supports max. resolution of 4K@30hz with H.264/H.265 hardware



decoder.

*2. Do not touch the SoC or heatsink surface directly to prevent possible burn injury.