

## LeMaker Guitar Bundle Quad-Core 1.3 GHz, 1GbDDR3 Ram, Prozessorboard und Baseboard B+



### EAN CODE



LeMaker Guitar Bundle mit Quad-Core 1.3 GHz, 1GbDDR3 Ram, Prozessorboard und Baseboard B+ LeMaker Guitar ist ein kosteneffizienter Single Board PC, der vom LeMaker-Team (BananaPi) entwickelt wurde. Das besondere an diesem Board ist die Trennung zwischen Trägerboard und Mainboard. CPU und Speicher sind getrennt von der Peripherie und können kostengünstig durch ein neues Upgrade ersetzt werden (z.Zeit noch nicht verfügbar). Android 5.1.1 vorinstalliert und "out of the box" mit 7 Zoll Touchscreen betriebsbereit.

#### Hardware Specification of LeMaker Guitar™ Mainboard

SoC	Actions S500
CPU	ARM® Cortex™-A9R4 Quad-Core1.3 GHz(ARM v7 instruction set)
GPU	PowerVR SGX544
DDR SDRAM	1GB DDR3 SDRAM
PMU	ATC2603C is an integrated power management and audio subsystem which provides a cost effective, single-chip solution for portable multimedia systems.ALL the information from Master is configured through TWIinterface of ATC2603C.The audio signal communicate via I2S Bus with the Master.
On board Storage	8GB eMMC
LCD Interface Select	LVDS/ RGB/MIPI
Expansion Interface	204 pins stanard DDR3 SODIMM
Appearance Characteristic	
Sizes	67.6mm*42.2mm
Weight	10g

#### Hardware Specification of LeMaker Guitar™ Expansion Base Board

ROM	1KB EEPROM
Ethernet PHY	The standard RJ45 Ethernet port for LAN connection supports 10/100Mbps speed.



Wi-Fi	Supports IEEE 802.11 b/g/n
MicroSD Card slot	Support MicroSD Card
Display	StandardHDMI Type A, supports up to 4096*2048@30HZ LVDS-DSI for raw LCD panels(up to 4096 x 2048) Composite video output (via 3.5 mm TRRS jack shared with Analogaudio out)
Video	StandardHDMI Type A, supports up to 4096*2048@30HZ 4K HD video decoding 1080P@60fps HD video encoding
Audio	Supports MPEG-4, H.263, H.264 and other mainstream video formats HDMI output  Analog audio (via 3.5 mm TRRS jack shared with composite video out)  I2S audio output (also available as audio input)
Micro USB3.0 Host/Device	Onboard MIC input Micro USB3.0 support Host and Device
USB2.0 Host	High speed standard A type connector x 2 ports
Camera Interface	MIPI-CSI Parallel 8-bit camera interface
IR Receiver	This is a remote control receiver module that can accept standard 38Khz carrier frequency based wireless data in 9012, NEC(8bit) , RC5, RC6(mode)format.
40 Pin GPIO Headers	40 Pins Header,28xGPIO, some of which can be used for specific functions including UART, I2C, SPI, PWM, I2S, ADC, FM-IN
SODIMM 204Pin Connector	Standard DDR3 SODIMM 204P connector ,used for connect LeMaker Guitar core board
Debug COM	COM3 used for developing debug
Power Source	5~12V / 2A input, Plug specification is inner diameter 2.1mm and outer diameter 5.5mm
Power Button	Button for power on/off
Power/Status LED	Power status LED (red) User defined LED1 (green)
Appearance characteristic	
Sizes	88mm x 88mm
Weight	58g



## Zubehör

Art.-Nr.	Name
127198	Lemaker Guitar Acryl-Gehäuse Schwarz
105571	ALLNET Ersatznetzteil 12V/2,0A
127025	ALLNET USB Typ A -> DC Adapter 5.5 mm Länge 1m gerader Stecker
127052	ALLNET USB 3.0 Adapter OTG Typ A auf USB 3.0 micro 0,15m
114371	Banana Pi zbh. Camera Module CSI OV5640 Chipset
100528	Kabel Video HDMI ST/ST 2,0m, Slim Line, HDMI High Speed with Ethernet
114452	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/blau, Synergy 21,
114454	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/gelb, Synergy 21,
114457	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/grün, Synergy 21,
114458	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/lila, Synergy 21,
114459	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/orange, Synergy 21,
114460	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/pink, Synergy 21,
114461	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/rot, Synergy 21,
114462	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/schwarz, Synergy 21,
114463	Patchkabel USB2.0, 1m, A(St)/MicroB(St), textil/weiß, Synergy 21,
114464	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/blau, Synergy 21,
114465	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/gelb, Synergy 21,
114466	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/grün, Synergy 21,
114467	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/lila, Synergy 21,



Art.-Nr.	Name
114468	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/orange, Synergy 21,
114469	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/pink, Synergy 21,
114470	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/rot, Synergy 21,
114471	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/schwarz, Synergy 21,
114472	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/weiß, Synergy 21,
115995	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/orange, Synergy 21, 5-Stück,
121357	/Flash SecureDigitalCard 64GB *Sandisk* microSDXC - Class 10 - Ultra
123801	/Flash SecureDigitalCard 16GB *Samsung* microSDHC - UHS-I
124479	Flash SecureDigitalCard (SD) 8GB *EMTEC* microSDHC Class10 UHS-I 85mb/s
125869	\Flash SecureDigitalCard 64GB *Sandisk* microSDXC - UHS-I Extreme
113894	Flepo Netzteil USB 2-fach 100V/240V-2A
118251	Flepo Netzteil USB 4-fach 100V/240V-4A
122771	Flepo Netzteil USB 10-fach 100V/240V-12A
127025	ALLNET USB Typ A -> DC Adapter 5.5 mm Länge 1m gerader Stecker
128130	Banana zbh. Display TFT und Camera Flachbandkabel 25 cm
114694	Banana zbh. LCD 7" Module 1024x600 RGB TFT Display
119179	Banana zbh. LCD Touch 7" Module 1024x600 RGB TFT Display kapazitiv
149549	ALLNET Antenne 2,4 GHz 2dBi Stummel Mini Omni indoor R-SMA schwarz