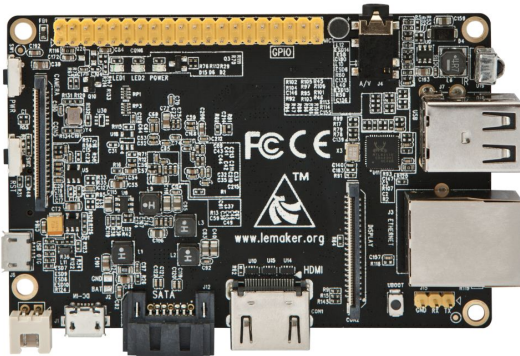


banana pro board



EAN CODE



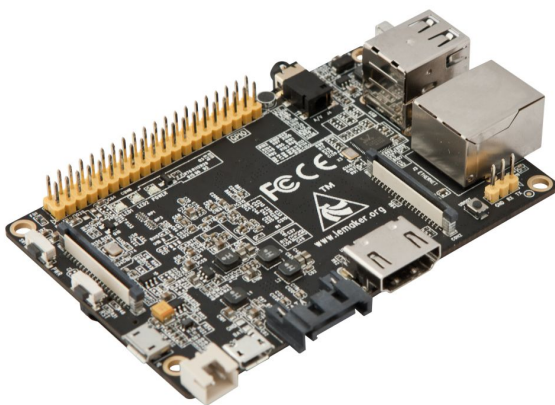
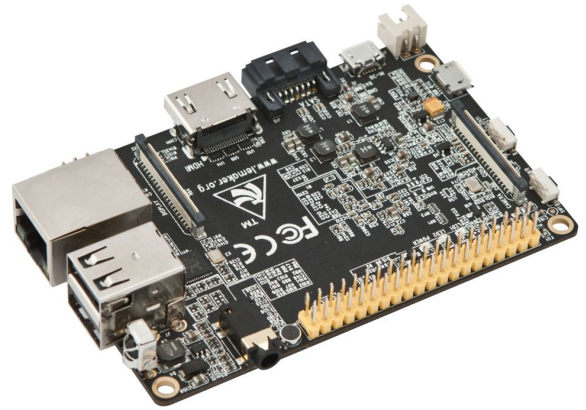
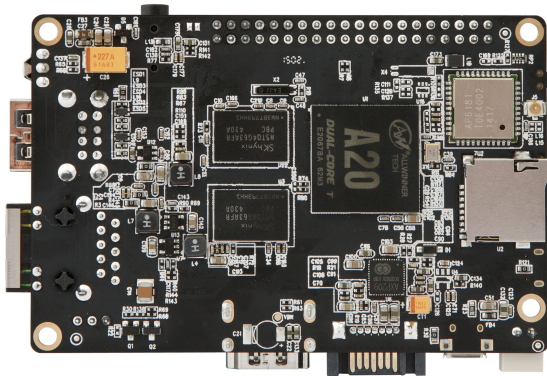
Der Banana Pro bietet als erweiterte Version des Banana Pi zahlreiche Zusatzfunktionen, die für eine noch höhere Leistungsfähigkeit und Flexibilität sorgen. Das Banana Pro Board unterstützt neben allen gängigen Linux Systemen unter anderem auch Android, Bananian, Berryboot, openSuse, OpenWRT und BSD System. Dank integriertem W-LAN und der Möglichkeit Bluetooth zur Kommunikation zu nutzen, lässt sich das Board noch flexibler einsetzen.

Mit dem Banana Pro lassen sich Low-Cost Computer für den Bildungsbereich genauso realisieren, wie Multimedia Applikationen oder Home Server.

Technische Daten - Vergleich

Feature	Banana Pro	Banana Pi
SoC	Allwinner A20	
CPU	A20 ARM cortex A7 Dual-Core 1GHz	
GPU	ARM Mali400 MP2, complies with OpenGL ES2.0/1.1	
SDRAM	1GB DDR3 SDRAM (shared with GPU)	
Power	5V @ 2 A MicroUSB (DC in only) and/or MicroUSB (OTG)	
PMU	AXP209	
Low-Level Peripherals	40 Pins GPIO Header	26 Pins GPIO Header
	30x GPIO, some of which can be used for specific functions including UART, I2C, SPI, PWM, CAN, I2S, SPDIF, LRAC, ADC, Line-IN, FM-IN and HP-IN	23x GPIO, some of which can be used for specific functions including UART, I2C, SPI, PWM, CAN, LRAC; ADC, Line-IN and HP-IN

On board Network	10/100/1000 Ethernet (Realtek RTL8211E/D)	
Wi-Fi module	802.11 b/g/n	N/A
Bluetooth	Optional	N/A
On Board Storage	MicroSD (TF) card	SD card
Display	Supports multi-channel HD display HDMI 1.4 (Type A - full) LVDS/RGB/CPU display interface (DSI) for raw LCD panels 11 HDMI resolutions from 640x480 to 1920x1080 plus various PAL and NTSC standards	
	Composite video (PAL and NTSC) (Via 3,5 mm TRRS jack shared with audio out)	Composite video (PAL and NTSC) (Via RCA jack)
Video	HD H.264 2160p video decoding Multi-format FHD video decoding, including MPEG-½, MPEG-4, H.263, H264, etc. H.264 high profile 1080p@30fps or 720@60fps	
Audio Outputs	HDMI, analog audio (via 3,5 mmm TRRS jack shared with Composite video out), I2S audio (also potentially for audio input)	HDMI, analog audio (via 3,5 mm phone jack)
Camera	Parallel 8-bit camera interface	
Audio input	On Board microphone	
USB	2 USB 2.0 hosts, 1 USB 2.0 OTG (all direct from A20 chip)	
Buttons	Reset button Power button U-boot Button	
LEDs	Power Status LED (red) Ethernet status LED (blue) User defined LED (green)	
Other	IR receiver/ WLAN Antenna included	
Sizes	92mm x 60mm	
Weight	48g	



Zubehör

Art.-Nr.	Name
128891	Banana Pro zbH. Hochwertiges Kunststoff-Gehäuse (ohne Schrauben)
100528	Kabel Video HDMI ST/ST 2,0m, Slim Line, HDMI High Speed with Ethernet
101039	ALLNET BLUETOOTH 4.0 USB Adapter ALL1580
111798	ALLNET Wireless N 150Mbit USB-MINI-PEN Adapter ALL-WA0150N
111809	ALLNET S-ATA SATA HDD Kabel zbH. Mini PC, Mele, Banana etc.
112980	\Flash SecureDigitalCard 16GB *SanDisk* microSDHC - UHS-I - Extreme Pro
124147	ALLNET Ersatznetzteil - 5V / 2A USB Typ A Buchse, Khadas, Friendly, banana pi etc.

Art.-Nr.	Name
113894	Flepo Netzteil USB 2-fach 100V/240V-2A
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,
114371	Banana Pi zbh. Camera Module CSI OV5640 Chipset
114689	Banana zbh. LCD 5" Module 800x480 RGB TFT Display
114692	Banana zbh. LCD 3,5" Module 320x240 RGB TFT Display
114694	Banana zbh. LCD 7" Module 1024x600 RGB TFT Display
119174	Banana zbh. LCD Touch 3,5" Module TFT Display Kapazitiv
119175	Banana zbh. LCD Touch 5" Module 800x480 RGB TFT Display
119179	/Lemaker Guitar zbh. LCD Touch 7" Module 1024x600 RGB TFT Display kapazitiv
128327	Banana zbh. LCD Touch 10,1 " Module TFT Display kapazitiv
120466	//banana pro board zbh. Acrylgehäuse mit HDD
115498	Banana Pro zbh. Acrylgehäuse
121923	Banana Pi Franzis Verlag Buch "Banana Pi für Einsteiger"
121958	Banana Pro Board Zbh. LN IO Erweiterungsplatine
121981	Banana Pro Board Zbh. LN Digital Erweiterungsplatine
121982	Banana Pro Board Zbh. LN Hub-32 IO
118241	banana pro Board zbh. WLAN Antennen-Set
115995	Patchkabel USB2.0, 2m, A(St)/MicroB(St), textil/orange, Synergy 21, 5-Stück,
124479	Flash SecureDigitalCard (SD) 8GB *EMTEC* microSDHC Class10 UHS-I 85mb/s
137163	ALLNET Ersatznetzteil - 5V/3A auf USB Typ A Buchse
149549	ALLNET Antenne 2,4 GHz 2dBi Stummel Mini Omni indoor R-SMA schwarz