

Hardware-List BatPi4 (2026)

2.1 Recommended components

Nr.	Komponente		Hinweis
1	Raspberry Pi 3B+	https://www.reichelt.de/de/de/shop/produkt/raspberry-pi-3-b-4x-1-4-ghz-1-gb-ram-wlan-bt-217696	Raspberry Pi 3B+ (or newer); 32-bit and 64-bit variants
2	microSD-card	https://www.amazon.de/UHS-I-Karte-Chromebook-SD-Adapter-Smartphones-Lesegeschwindigkeit/dp/B0BFG8BPQF/	At least 64 GB recommended, Class 10.
3	Heat sink	https://www.berrybase.de/4-teiliges-kuehlkoerper-set-fuer-raspberry-pi-5-kupfer	Three heat sinks for Raspberry Pi ICs.
4	WittyPi 4	https://www.uugear.com/product/witty-pi-4/	RTC/power management module from UUGear.
5	CR2032 coin cell	https://www.amazon.de/Batterien-Knopfzellen-CR2032-Demand-Lithium/dp/B0CJ31N5KR/	For WittyPi 4; not included.
6	Metal enclosure	https://www.voelkner.de/index.php?mp=products&file=info&ref=43&products_id=2336737	RB StromPi3 Case Joy-IT; switch and fan are not required.
7	USB wake-up device	See the reply email regarding the password request.	Prevents the power bank from switching off automatically when current draw is low.
8A	Wi-Fi antenna „Old Hardware“	https://www.amazon.de/Edimax-EW-7612UAn-Wireless-LAN-USB-Adapter-300Mbit/dp/B017MGU842	EDIMAX EW-7612U
8B	Wi-Fi antenna „New Hardware“	https://www.amazon.de/Edimax-EW-7811UAC-Edimax-WIFI-Adapter-schwarz/dp/B00JML3S66/	EDIMAX EW-7612UAn.
9	USB-C to USB-A cable	https://www.amazon.de/deleyCON-30m-USB-USB-C-Kabel/dp/B0DGTQD4Y5/	30 cm, angled USB-C to USB-A connector.
10	USB-A to mini-USB cable	https://www.amazon.de/deleyCON-Mini-Speed-Kabel-Stecker/dp/B0G841TKVD?th=1 für Dodotronic Ultramic250K	30 cm; depending on the microphone used.
11	Powerbank	z.B. https://www.amazon.de/Schnellladung-Tragbares-Ladeger%C3%A4t-LED-Display-Elektronikger%C3%A4te/dp/B0FP18LL3H	Approximately 50,000 mAh are required for five nights without Wi-Fi use.

12	B&W plastic case	https://www.amazon.de/HMF-ODK100-Outdoor-Fotokoffer-Pistolenkoffer-Rasterschaumstoff/dp/B08K3JBWP7	Models 1000, 2000 or 3000.
13	Cable gland	https://www.amazon.de/Kabelverschraubung-Gorff-Kabeldurchf%C3%BChrung-Kabelverschraubungen-Kabeldurchf%C3%BChrungen/dp/B0CXPX7MVR	M32x1.5 with nut, e.g. for Dodotronic UM-250.

2.2 Optional components

Nr.	Komponente		Hinweis
14	Plastic enclosure		Alternative to the metal enclosure mentioned above.
15A	GPS receiver „Old Hardware“	NL-602u https://www.reichelt.de/de/de/shop/produkt/gps_galileo_empfaenger_u-blox_6-135559	
15B	GPS receiver „New Hardware“	NL-8002u https://www.amazon.de/Navilock-NL-8002U-62523-GPS-Empf%C3%83%C2%A4nger/dp/B00R98OWQE	32-bit: NL-602u and NL-8002u; 64-bit: NL-8002u only.
16	USB-C power supply	https://www.anker.com/eu-de/products/a2154-anker-112w-usb-c-ladegerat?variant=47291975598243	5 V/3 A for continuous operation instead of a power bank.
17	USB-A card reader	https://www.amazon.de/gp/aw/d/B0FJB84N94/	Optional recording path /media/usb0; additional SD card in NTFS format.
17A	SD card for 17	https://www.amazon.de/SanDisk-microSDXC-Speicherkarte-Smartphones-Lesegeschwindigkeit/dp/B0B7NVXLLM/	
18	USB hub	https://www.amazon.de/Anker-Datenhub-Ultrabooks-weiteren-kompatiblen/dp/B00Y211AFM/	Passive 4-port USB hub.