

# Materialliste

| Material                 | Link                                                                                                                                                                                                                                                                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19“ Gehäuse              | <a href="https://www.amazon.de/dp/B07HK9D9B3?ref=ppx_yo2ov_dt_b_fed_asin_title">https://www.amazon.de/dp/B07HK9D9B3?ref=ppx_yo2ov_dt_b_fed_asin_title</a>                                                                                                                               |
| Sicherungshalter         | <a href="https://www.amazon.de/dp/B0C2VG9J5Q?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0C2VG9J5Q?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| Kabeldurchführung        | <a href="https://www.amazon.de/dp/B0D7CH1KNV?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0D7CH1KNV?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| RJ45 Durchführung        | <a href="https://www.amazon.de/dp/B0CN67RVYZ?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0CN67RVYZ?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| Netzwerkkabel            | <a href="https://www.amazon.de/dp/B0DZW5WPWX?ref=ppx_yo2ov_dt_b_fed_asin_title">https://www.amazon.de/dp/B0DZW5WPWX?ref=ppx_yo2ov_dt_b_fed_asin_title</a>                                                                                                                               |
| Pigtail SMA IPEX Antenne | <a href="https://www.amazon.de/dp/B09V4YXMZN?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B09V4YXMZN?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| Pigtail BNC SMA          | <a href="https://www.amazon.de/dp/B0BBLQHQR8?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0BBLQHQR8?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| N Durchführung           | <a href="https://www.amazon.de/dp/B086JBWHKB?ref=ppx_yo2ov_dt_b_fed_asin_title">https://www.amazon.de/dp/B086JBWHKB?ref=ppx_yo2ov_dt_b_fed_asin_title</a>                                                                                                                               |
| Steppdown 12 zu 5V       | <a href="https://www.amazon.de/dp/B0D1K83XRZ?ref=ppx_yo2ov_dt_b_fed_asin_title">https://www.amazon.de/dp/B0D1K83XRZ?ref=ppx_yo2ov_dt_b_fed_asin_title</a>                                                                                                                               |
| RAK Mainboard            | <a href="https://store.rakwireless.com/products/rak19007-wisblock-base-board-2nd-gen">https://store.rakwireless.com/products/rak19007-wisblock-base-board-2nd-gen</a>                                                                                                                   |
| RAK LORA                 | <a href="https://store.rakwireless.com/products/rak4631-lpwan-node?variant=37505443987654">https://store.rakwireless.com/products/rak4631-lpwan-node?variant=37505443987654</a>                                                                                                         |
| RAK GPS                  | <a href="https://store.rakwireless.com/products/wisblock-rak12501-gnss-module?index=5">https://store.rakwireless.com/products/wisblock-rak12501-gnss-module?index=5</a>                                                                                                                 |
| RAK ETH                  | <a href="https://store.rakwireless.com/products/rak13800-wisblock-ethernet-interface">https://store.rakwireless.com/products/rak13800-wisblock-ethernet-interface</a>                                                                                                                   |
| PA AB-IOT-433            | <a href="https://www.amazon.de/dp/B0F7LKJ5W3?ref=ppx_yo2ov_dt_b_fed_asin_title">https://www.amazon.de/dp/B0F7LKJ5W3?ref=ppx_yo2ov_dt_b_fed_asin_title</a>                                                                                                                               |
| Pigtail IPEX SMA         | <a href="https://www.amazon.de/dp/B0932CJF93?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0932CJF93?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| Bandpass 433             | <a href="https://de.aliexpress.com/item/1005008828354663.html?spm=a2g0o.order_list.order_list_main.10.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu">https://de.aliexpress.com/item/1005008828354663.html?spm=a2g0o.order_list.order_list_main.10.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu</a> |
| DuplexWeiche 70cm        | <a href="https://de.aliexpress.com/item/1005005121580033.html?spm=a2g0o.order_list.order_list_main.52.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu">https://de.aliexpress.com/item/1005005121580033.html?spm=a2g0o.order_list.order_list_main.52.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu</a> |
| Pigtail SMA BNC          | <a href="https://de.aliexpress.com/item/1005006909272773.html?spm=a2g0o.order_list.order_list_main.70.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu">https://de.aliexpress.com/item/1005006909272773.html?spm=a2g0o.order_list.order_list_main.70.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu</a> |
| Pigtail BNC N            | <a href="https://de.aliexpress.com/item/1005007035634430.html?spm=a2g0o.order_list.order_list_main.58.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu">https://de.aliexpress.com/item/1005007035634430.html?spm=a2g0o.order_list.order_list_main.58.5be75c5fbXAbvC&amp;gatewayAdapt=glo2deu</a> |
| Dummyload BNC            | <a href="https://www.amazon.de/dp/B0FDQMP57R?ref=ppx_yo2ov_dt_b_fed_asin_title">https://www.amazon.de/dp/B0FDQMP57R?ref=ppx_yo2ov_dt_b_fed_asin_title</a>                                                                                                                               |
| Klebesockel              | <a href="https://www.amazon.de/dp/B0BMVWGWPDP?ref=ppx_yo2ov_dt_b_fed_asin_title">https://www.amazon.de/dp/B0BMVWGWPDP?ref=ppx_yo2ov_dt_b_fed_asin_title</a>                                                                                                                             |
| 12V Zuleitung 2x 1,5.    | <a href="https://www.amazon.de/dp/B0FGPXZ7P4?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0FGPXZ7P4?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| Abstandshalter           | <a href="https://www.amazon.de/dp/B0CLD47K2V?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0CLD47K2V?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |
| Schrauben                | <a href="https://www.amazon.de/dp/B0D1N4D5ZR?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1">https://www.amazon.de/dp/B0D1N4D5ZR?ref=ppx_yo2ov_dt_b_fed_asin_title&amp;th=1</a>                                                                                                             |