

RUTX50 Power Consumption

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Averaged [RUTX50](#) power consumption values in different states of operation are represented in the tables below:

| Test type | Current (mA) | Power consumption (W) |
|-----------------------------------|--------------|-----------------------|
| Idle, no SIM card inserted (9 V) | 359 | 3.23 |
| Idle, no SIM card inserted (12 V) | 268 | 3.21 |
| Idle, no SIM card inserted (24 V) | 138 | 3.33 |

| Test type | Current (mA) | Power consumption (W) |
|---|--------------|-----------------------|
| Idle + mobile data on ¹ (9 V) | 371 | 3.34 |
| Idle + mobile data on ¹ (12 V) | 271 | 3.26 |
| Idle + mobile data on ¹ (24 V) | 140 | 3.36 |

| Test type | Current (mA) | Power consumption (W) |
|--|--------------|-----------------------|
| Mobile data on ¹ + 1 LAN device connected ² (9 V) | 394 | 3.55 |
| Mobile data on ¹ + 1 LAN device connected ² (12 V) | 294 | 3.52 |
| Mobile data on ¹ + 1 LAN device connected ² (24 V) | 151 | 3.62 |

| Test type | Current (mA) | Power consumption (W) |
|--|--------------|-----------------------|
| Max speed 5G (NSA) transmission + 5 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + GPS on + USB device connected ⁴ (9 V) | 1405 | 12.65 |
| Max speed 5G (NSA) transmission + 5 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + GPS on + USB device connected ⁴ (12 V) | 940 | 11.28 |
| Max speed 5G (NSA) transmission + 5 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + GPS on + USB device connected ⁴ (24 V) | 484 | 11.62 |

¹ - Only mobile data connection established with no additional traffic.

² - Data streams between RUTX50 and other connected LAN devices created using iPerf.

³ - Load created using *md5sum* (calculation and verification of 128-bit MD5 hashes).

⁴ - USB device with ~ 300 mA current draw.

Power consumption may differ due to mobile data transmission speed, testing environment and conditions.