

RUT906 Power Consumption

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Averaged RUT906 power consumption values in different states of operation are represented in the table(s) below:

| Test type | Current (mA) | Power consumption (W) |
|-----------------------------------|--------------|-----------------------|
| Idle, no SIM card inserted (9 V) | 202 | 1.82 |
| Idle, no SIM card inserted (12 V) | 159 | 1.91 |
| Idle, no SIM card inserted (24 V) | 104 | 2.50 |

| Test type | Current (mA) | Power consumption (W) |
|---|--------------|-----------------------|
| Idle + mobile data on ¹ (9 V) | 211 | 1.90 |
| Idle + mobile data on ¹ (12 V) | 165 | 1.98 |
| Idle + mobile data on ¹ (24 V) | 108 | 2.59 |

| Test type | Current (mA) | Power consumption (W) |
|--|--------------|-----------------------|
| Mobile data on ¹ + 1 LAN device connected ² (9 V) | 231 | 2.09 |
| Mobile data on ¹ + 1 LAN device connected ² (12 V) | 183 | 2.19 |
| Mobile data on ¹ + 1 LAN device connected ² (24 V) | 115 | 2.77 |

| Test type | Current (mA) | Power consumption (W) |
|---|--------------|-----------------------|
| Max speed LTE transmission + 4 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + devices connected to RS485 and RS232 + GPS on + USB device connected ⁴ + all outputs enabled on I/O panel (9 V) | 745 | 6.70 |
| Max speed LTE transmission + 4 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + devices connected to RS485 and RS232 + GPS on + USB device connected ⁴ + all outputs enabled on I/O panel (12 V) | 521 | 6.25 |
| Max speed LTE transmission + 4 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + devices connected to RS485 and RS232 + GPS on + USB device connected ⁴ + all outputs enabled on I/O panel (24 V) | 279 | 6.69 |

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

² - Data streams between RUT906 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 ~ 500 mA current draw.

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