

RUTX12 Power Consumption

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[RUTX12](#) power consumption values in different states of operation are represented in the tables below:

Test type	Current (mA)	Power consumption (W)
Idle, no SIM cards inserted (9 V)	410	3.69
Idle, no SIM cards inserted (12 V)	308	3.70
Idle, no SIM cards inserted (24 V)	155	3.72

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on ¹ (1 SIM card) (9 V)	419	3.77
Idle + mobile data on ¹ (1 SIM card) (12 V)	313	3.76
Idle + mobile data on ¹ (1 SIM card) (24 V)	162	3.89

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on ¹ (2 SIM cards) (9 V)	424	3.82
Idle + mobile data on ¹ (2 SIM cards) (12 V)	319	3.83
Idle + mobile data on ¹ (2 SIM cards) (24 V)	164	3.94

Test type	Current (mA)	Power consumption (W)
Mobile data on ¹ + 1 LAN device connected ² (2 SIM cards) (9 V)	454	4.09
Mobile data on ¹ + 1 LAN device connected ² (2 SIM cards) (12 V)	340	4.08
Mobile data on ¹ + 1 LAN device connected ² (2 SIM cards) (24 V)	173	4.15

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 5 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + GPS on + USB device connected ⁴ + 1 paired Bluetooth device (9 V)	1305	11.75
Max speed LTE transmission + 5 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + GPS on + USB device connected ⁴ + 1 paired Bluetooth device (12 V)	976	11.72
Max speed LTE transmission + 5 LAN devices connected ² + high CPU load ³ + data transfer via WiFi + GPS on + USB device connected ⁴ + 1 paired Bluetooth device (24 V)	495	11.88

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

² - Data streams between RUTX12 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.