RUT906 Power Consumption

[Main Page](#) > [RUT Routers](#) > [RUT906](#) > [RUT906 Manual](#) > **RUT906 Power Consumption**

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 ~ 300 mA current draw.

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