RUT900 Power Consumption

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[RUT900](#) 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)	**173**	**1.56**
Idle, no SIM card inserted (12 V)	**136**	**1.63**
Idle, no SIM card inserted (24 V)	**68**	**1.63**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	**235**	**2.12**
Idle + mobile data on [1] (12 V)	**179**	**2.15**
Idle + mobile data on [1] (24 V)	**91**	**2.18**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	**331**	**2.98**
Mobile data on [1] + 1 LAN device connected [2] (12 V)	**249**	**2.99**
Mobile data on [1] + 1 LAN device connected [2] (24 V)	**132**	**3.17**

Test type	Current (mA)	Power consumption (W)
4 LAN devices connected [2] + high CPU load [3] + max speed LTE transmission + data transfer via WiFi (9 V)	**479**	**4.31**
4 LAN devices connected [2] + high CPU load [3] + max speed LTE transmission + data transfer via WiFi (12 V)	**363**	**4.36**
4 LAN devices connected [2] + high CPU load [3] + max speed LTE transmission + data transfer via WiFi (24 V)	**184**	**4.42**

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

[2] - Data streams between RUT900 and other connected LAN devices created using iPerf.

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

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