TRB141 Power Consumption

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[TRB141](#) 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)	**80**	**0.72**
Idle, no SIM card inserted (12 V)	**61**	**0.73**
Idle, no SIM card inserted (24 V)	**35**	**0.84**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	**105**	**0.94**
Idle + mobile data on [1] (12 V)	**78**	**0.94**
Idle + mobile data on [1] (24 V)	**43**	**1.03**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	**114**	**1.03**
Mobile data on [1] + 1 LAN device connected [2] (12 V)	**89**	**1.07**
Mobile data on [1] + 1 LAN device connected [2] (24 V)	**56**	**1.34**

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 1 LAN devices connected [2] + high CPU load [3] + all outputs enabled on I/O panel (9 V)	**740**	**6.66**
Max speed LTE transmission + 1 LAN devices connected [2] + high CPU load [3] + all outputs enabled on I/O panel (12 V)	**545**	**6.54**
Max speed LTE transmission + 1 LAN devices connected [2] + high CPU load [3] + all outputs enabled on I/O panel (24 V)	**290**	**6.96**

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

[2] - Data streams between TRB141 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.