TRB256 Power Consumption

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TRB256 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)	111	1
Idle, no SIM card inserted (12 V)	84	1.01
Idle, no SIM card inserted (24 V)	44	1.06

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	126	1.13
Idle + mobile data on [1] (12 V)	96	1.15
Idle + mobile data on [1] (24 V)	50	1.2

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	145	1.3
Mobile data on [1] + 1 LAN device connected [2] (12 V)	109	1.31
Mobile data on [1] + 1 LAN device connected [2] (24 V)	57	1.37

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)	171	1.54
Max speed LTE transmission + 1 LAN devices connected [2] + high CPU load [3] + all outputs enabled on I/O panel (12 V)	129	1.55
Max speed LTE transmission + 1 LAN devices connected [2] + high CPU load [3] + all outputs enabled on I/O panel (24 V)	73	1.75

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

[2] - Data streams between TRB256 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.