

TRB160 Power Consumption

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TRB160 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 (5 V)	39.1	0.197
Idle, no SIM card inserted (9 V)	17.6	0.157
Idle, no SIM card inserted (12 V)	13.9	0.167
Idle, no SIM card inserted (24 V)	10.4	0.249

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on ¹ (5 V)	49.7	0.248
Idle + mobile data on ¹ (9 V)	22.7	0.204
Idle + mobile data on ¹ (12 V)	18	0.218
Idle + mobile data on ¹ (24 V)	15.2	0.366

Test type	Current (mA)	Power consumption (W)
Mobile data on ¹ + 1 LAN device connected ² (5 V)	249	1.25
Mobile data on ¹ + 1 LAN device connected ² (9 V)	113	1.018
Mobile data on ¹ + 1 LAN device connected ² (12 V)	79.7	0.956
Mobile data on ¹ + 1 LAN device connected ² (24 V)	44.7	1.075

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 1 LAN device connected ² + high CPU load (5 V) ³	660	3.304
Max speed LTE transmission + 1 LAN device connected ² + high CPU load (9 V) ³	291	2.62
Max speed LTE transmission + 1 LAN device connected ² + high CPU load (12 V) ³	231	2.777
Max speed LTE transmission + 1 LAN device connected ² + high CPU load (24 V) ³	112	2.697

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

² - Data streams between TRB160 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.