

TRB256 Power Consumption

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Averaged 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.