

TRB246 Power Consumption

[Main Page](#) > [TRB Gateways](#) > [TRB246](#) > [TRB246 Manual](#) > **TRB246 Power Consumption**

Averaged TRB246 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)	117	1.053
Idle, no SIM card inserted (12 V)	89	1.068
Idle, no SIM card inserted (24 V)	46	1.104

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on ¹ (9 V)	128	1.152
Idle + mobile data on ¹ (12 V)	97	1.164
Idle + mobile data on ¹ (24 V)	49	1.176

Test type	Current (mA)	Power consumption (W)
Mobile data on ¹ + 1 LAN device connected ² (9 V)	193	1.737
Mobile data on ¹ + 1 LAN device connected ² (12 V)	144	1.728
Mobile data on ¹ + 1 LAN device connected ² (24 V)	74	1.776

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 1 LAN device connected ² + high CPU load ³ + GPS on + all outputs enabled on I/O panel (9 V)	358	3.222
Max speed LTE transmission + 1 LAN device connected ² + high CPU load ³ + GPS on + all outputs enabled on I/O panel (12 V)	253	3.036
Max speed LTE transmission + 1 LAN device connected ² + high CPU load ³ + GPS on + all outputs enabled on I/O panel (24 V)	136	3.264

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

² - Data streams between TRB246 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.