

RTL8305SB Power Consumption

1.1 Thermal Temperature :

Parameter	Minimum	Typical	Maximum	Units
Thermal temperature 100M Full	51.6	53.1	54.5	°C
Thermal temperature 10M Full	39.0	54.5	55.0	°C

1.2 DC Characteristics :

Supply voltage $V_{cc} = 3.3V \pm 5\%$

Supply voltage $V_{cc} = 2.5V \pm 5\%$

Link Speed: 100M bps

Parameter	Minimum	Typical	Maximum	Units
Average Operating Supply Current at 3.3V	180	185	190	mA
Average Operating Supply Current at 2.5V	90	100.0	130	mA
Average Power Consumption	810	819	952	mW

Link Speed: 10M bps

Parameter	Minimum	Typical	Maximum	Units
Average Operating Supply Current at 3.3V	50	260	310	mA
Average Operating Supply Current at 2.5V	55	60	65	mA
Average Power Consumption	315	1101	1173	mW

Note :

	Power Down	Power Saving	100M Link	100M Burn in	10M Link	10M Burn in	Just After reset	Units
3.3V	30	30	180	190	50	310	30	mA
2.5V	60	60	90	130	60	60	60	mA
Power Consumption	249	249	819	952	315	1173	249	mW