

4 Operating Conditions

Typical values at 5V 25°C.

Parameter	Min.	Typ.	Max.	Units	Condition
Supply Voltage, Vdd	4.5	5	5.5	V	
Supply Current ETRX3USB		56 ¹		mA	TX 8dBm
		54 ²		mA	TX 3dBm
		54 ¹		mA	TX = 13dBm
		52.5 ¹		mA	RX
		29.5 ^{1,3}		mA	SED, Power Mode 01
		27 ^{1,2}		mA	FE, Power Mode 02
		26 ^{1,2}		mA	SED, Power Mode 03
Operating ambient temperature range	-20	25	85	°C	

Table 2: Operating Conditions

The Winbond memory chip in the 8M variants draws extra current as shown in Table 3. Full details of its power consumption can be found in the Winbond W25Q80DV datasheet.

Operation	Current		Units
	Typ	Max	
Standby	10	50	µA
Read 50MHz	7	15	mA
Write Status Register	20	25	mA
Page Program	20	25	mA
Sector/Block Erase	20	25	mA
Chip Erase	20	25	mA

Table 3: Flash memory current consumption

¹ During USB suspend the current will drop by 25.6mA in all modes.

² During USB suspend the current will drop by 25.6mA in all modes.

³ Please note that the power consumption in various power modes is firmware and usage dependent.

