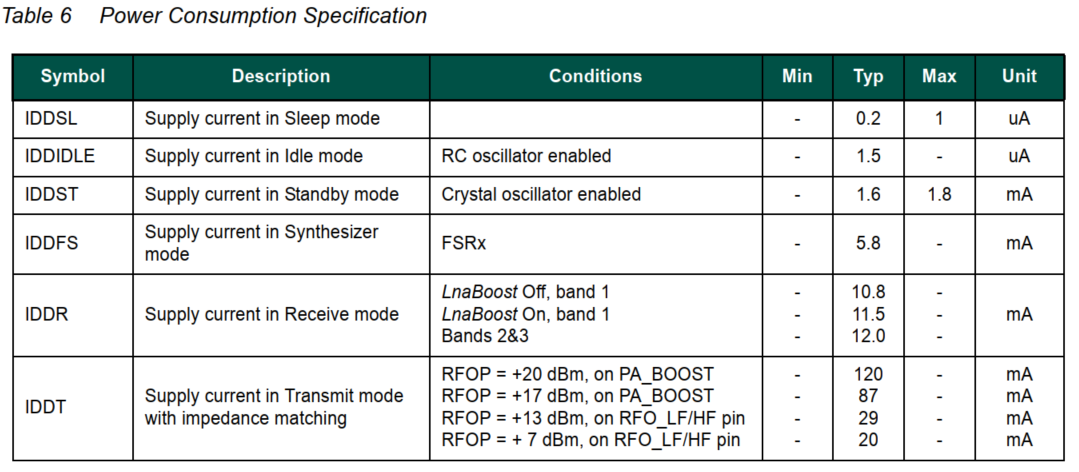
**GATEWAY**

* ESP32 status:

+ Deep sleep: 10uA (5 phút )

+ Active mode (wifi or blutooth): 240mA

* Lora sx1278: 10-120mA



* Sim7670C: 2A

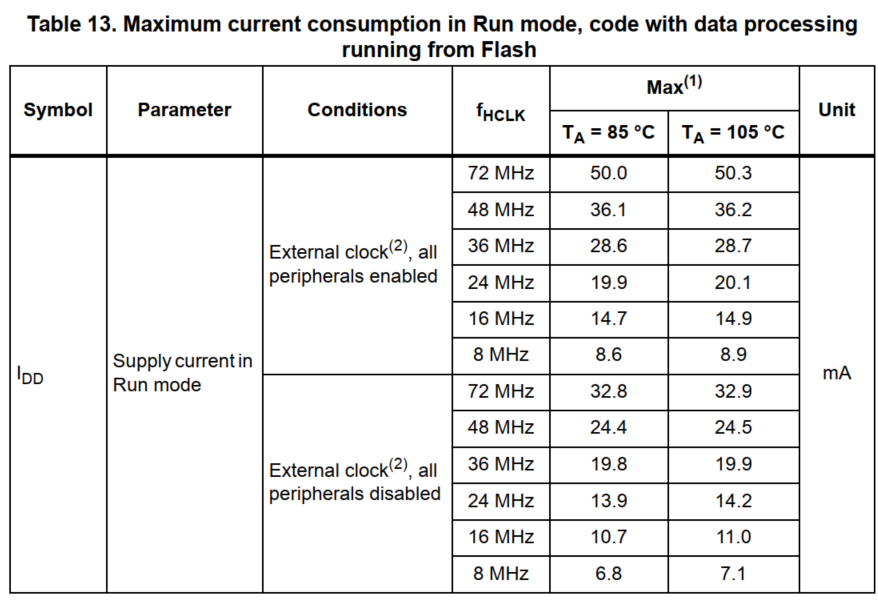
Thời gian hoạt động: 15 phút (2.36 A)

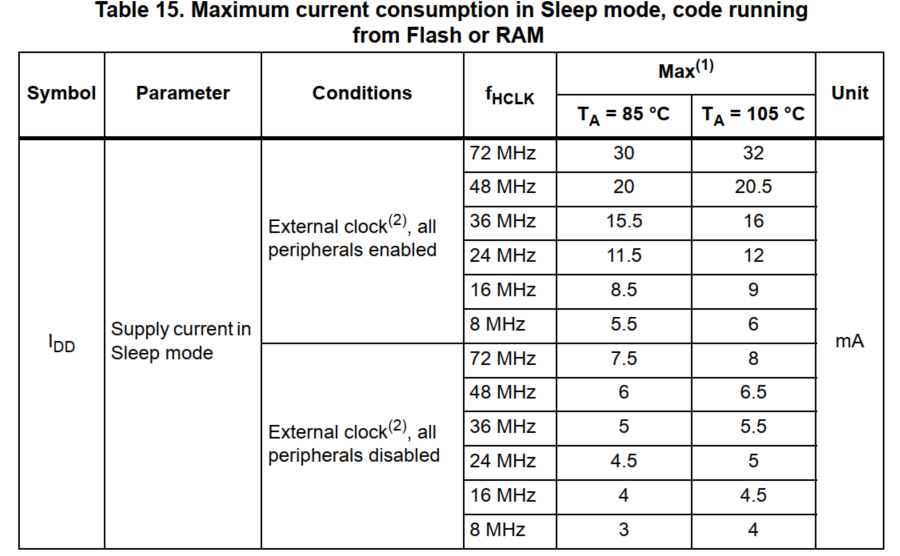
P = 240m \* 3.3 + 120m \* 3.3 + 5 \* 2 = 11.188W

Thời gian sleep: 12.01mA (23 giờ 45 phút)

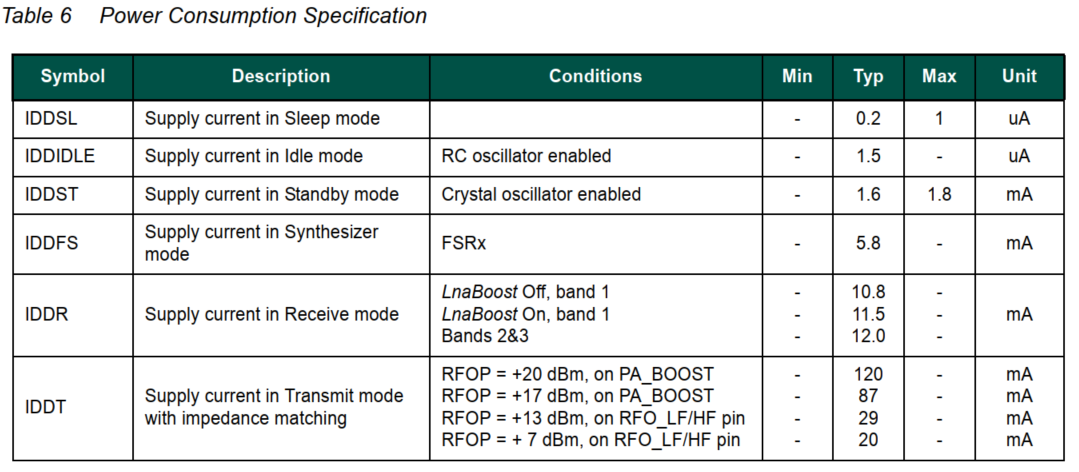
P = 10u\*3.3 + 12m \* 3.3 = 0.039W

**NODE**

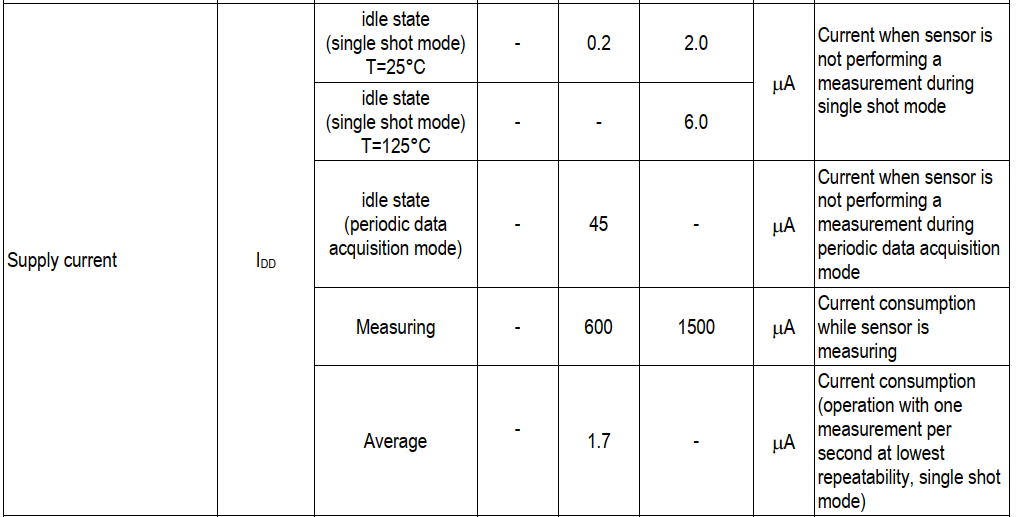
* STM32:  
  



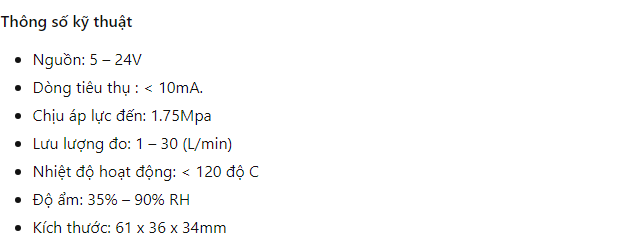
* Lora sx1278: 10-120mA



* Sht30: 1.5mA



* EC sensor: 10-15 mA x 2
* Flow sensor: 10mA



Thời gian hoạt động: 5 phút (2.36 A)

P = 51m \* 3.3 + 120m \* 3.3 + 1.5m\*5 + 15mA\*2\*5 + 10m\*5 = 0.7718W

Thời gian sleep: 12.01mA (23 giờ 55 phút)

P = 30m \* 3.3 + 12m \* 3.3 + 1.5m\*5 + 15mA\*2\*5 + 10m\*5 = 0.3461W