**LTE Manual**

1. **Technical Specification**

## Thông số cơ bản

* Power charge : USBC 500mA.
* Current (mA): Normal 18mA, Max 1000mA.

## Communication

* Bluetooth.

1. **COMMANDS**

II.1. **CHECK CONNECT :**

* **Command :** **LTE**
* **Answer :** **OKE**

II.2. **READ VERSION :**

* **Command :** **RVER**
* **Answer :** **V1.0 - 30/11/2023**

II.3. **READ Battery Voltage**:

* **Command** : **RVBT**
* **Answer** : **Vbat = 4.12V**

II.4. **READ Battery Current:**

* **Command** : **RIBT**
* **Answer** : **Ibat = 18mA**

Nếu có dấu trừ tức dòng nạp vào Pin, còn bình thường là dòng tiêu thụ.

II.5. **READ Charge Current** **:**

* **Command** : **RICH**
* **Answer** : **Icharge = 235mA**

II.6. **WRITE Frequency:**

* **Command** : **WRHZ=xx Ex: WRHZ=2**
* **Answer** : **F = 0.2 Hz**

**xx: 1 -> 20 ~ 0.1 ->2 Hz.**

II.7. **WRITE ON/OFF Power:**

* **Command** : **WOUT=xxx Ex: WOUT =50**
* **Answer** : **Vout = 50**

**xx: 0 -> 100 ~ 0% ->100%. Điều khiển công xuất ngõ ra xung vuông.**

II.8. **WRITE Sin Power:**

* **Command** : **WSIN=xxx Ex: WSIN =50**
* **Answer** : **Sout = 50**

**xx: 0 -> 100 ~ 0% ->100%. Điều khiển công xuất ngõ ra xung sin.**

II.9. **WRITE Bluetooth Name :**

* **Command** : **WNAM=yyy Ex: WNAM=LTE**
* **Answer** : **NAME =LTE**

**Note : when receive the answer, app need turn off connect the Bluetooth about 5-10 second to device change the Bluetooth Name**

II.10. **WRITE RAM :**

* **Command :** **WRAMxx=yyyy Ex: WRAM01=1234**
* **Answer : RAM[xx]=yyyy**

**xx : 00-99 address RAM**

**yyyy : range 0-9999 write data of RAM at address xx.**

II.11. **READ RAM :**

* **Command :** **RRAMxx Ex: RRAM01**
* **Answer : RAM[xx]=yyyy**

**xx : 00-99 address RAM**

**yyyy : range 0-9999 data of RAM at address xx.**

II.12. **READ ADC :**

* **Command :** **RADxx Ex: RAD1**
* **Answer : ADCxx = 128**

**xx : 00-10 address ADC channel.**

**Read data of ADC channel. Using for debug or option to calculate force from IPMC sensor.**

II.13. **RESET MCU :**

* **Command :** **RST**
* **Answer : Software reset**