Operational Description
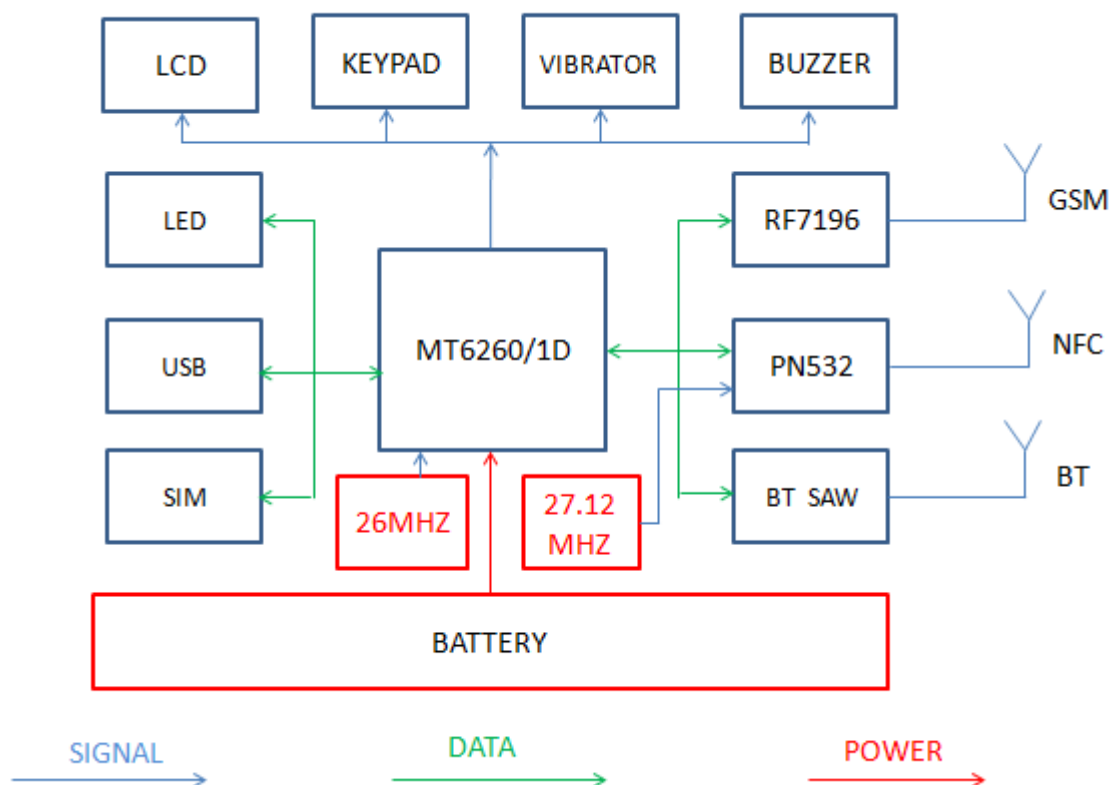
E-XIP is a terminal based on GPRS data transmission,its core is a unit of NFC exchange.User data via NFC wireless reading and writing, user permissions, account information, delivery confirmation information,Then connect via GPRS to the data center platform, completion of the final users of the exchange of information, thus realizing the data information interaction Internet of things.

E-XIP the main chip is based on MT6260/1D platform of MTK company in Taiwan, frequency 256MHZ, memory 32Mb, has a very rich external interface of the hardware, the hardware framework is as follows :

LCD:Serial SPI display,The resolution is 128*160, TFT screen

LED：Three tri - color lights,total of 9 species status is displayed

Button : CPU directly driven by 20 buttons

Motor : 3.0V GPIO controlled micro - motor

Buzzer : 3V, 8KHZ, with PWM control of the CPU

Bluetooth:3.0 EDR, supports SPP protocols

NFC : NXP chip with serial drivers, support and compatible with all NFC Communication Protocol

GPRS : CLASS 12, maximum power up to 2W

Power management : PMUmulti - channel LDO and the DCDC, the management of battery charging

GPRS:

Operation Frequency:	GPRS 850/ GPRS 1900
Modulation Type:	GMSK
Output Power(Conducted):	32.81dBm
Antenna Gain (dBi)	1.5dbi

BT:

Operation Frequency:	2402-2480MHz
Modulation Type:	GFSK, π/4-DQPSK, 8-DPSK
Bit Rate of Transmitter	1,2,3Mbps
Number Of Channel	79CH
Output Power(Conducted):	1.39dBm
Antenna Gain (dBi)	0 dbi

NFC:

Operation Frequency:	13.56MHz
Modulation Type:	ASK
Antenna Gain (dBi)	0 dbi