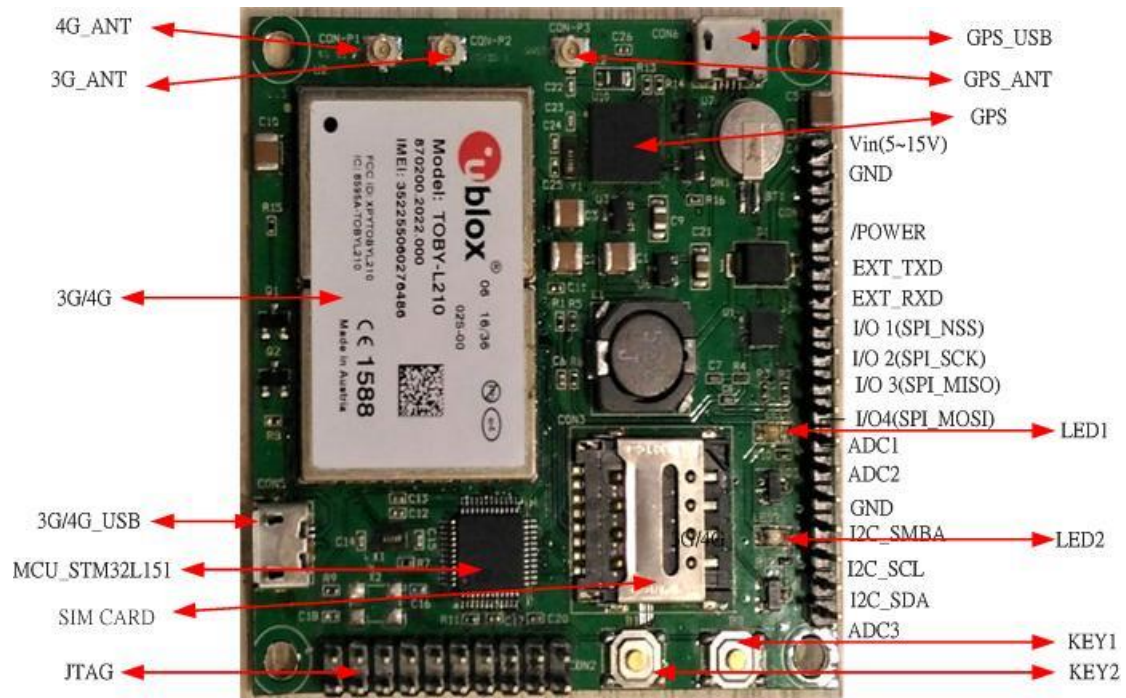


## Diagram Block of GATEWAY-1000



## Main Datasheet of GATEWAY-1000

- GPS Module : u-blox EVA-M8M
- GPS USB Connector : for test
- GPS Antenna Connector : U.FL-R-SMT-1
- 3G Module : u-blox SARA-U270
- 4G Module : u-blox TOBY-L210
- 3G/4G Antenna Connector : U.FL-R-SMT-1
- 3G/4G USB Connector : for test
- SIM Card Holder : for Micro SIM
- MCU : STM32LI51
- Switching Power : for 3G/4G module mainly
- PCB Size : 50mm\*50mm approximately

## Main Features of GATEWAY-1000

### ● 5 Modules:

- u-blox 3G or 4G Cellular Module
- u-blox GPS Module
- STM32LI51 MCU
- 5–15VDC External Power (e.g., from USB or Automobile Cigar Lighter)
- SIM Card Holder (Micro SIM)

### ● 3 UARTs:

- External UART for User's Device ⇔ STM32LI51 MCU
- Internal UART for GPS Module ⇒ STM32LI51 MCU
- Internal UART for Cellular Module ⇔ STM32LI51 MCU

### ● 2 USBs:

- External USB for GPS Module ⇒ User's Device
- External USB for Cellular Module ⇔ User's Device

### ● 12 GPIOs

- Can be configured as SPI\*1, ADC\*3, I2C\*1 or USART\*1

### ● 3 packages of software:

- AT commands set
- Customer-designed interfaces between GATEWAY-1000 and the User's Device
- A built-in APP can send GPS data to the server per 30 seconds automatically, then users can locate the car (if GATEWAY-1000 inside) on the Google Map.

<http://www.ocx.com.tw/>



