

# GSM\_Module

## Module Responsibility

### Module Responsibility :

- Checking network registration status
- Reading signal strength (RSSI)
- Sending SMS messages
- Initiating voice calls

## Module Design

**<<block>>**  
MQTT\_Module

### **<<Parameters>>**

```
typedef enum {  
    GSM_OK = 0,  
    GSM_ERROR,  
    GSM_TIMEOUT,  
    GSM_NO_NETWORK  
} Gsm_Status_t;
```

### **<<Function>>**

```
~GSM_Init(void)(void) : void  
~GSM_GetSignal(uint8_t *rssi):Gsm_Status_t  
~out:GSM_SendSMS(const char *number, const char *text): Gsm_Status_t  
~out:GSM_MakeCall(const char *number)): Gsm_Status_t
```

## Module Flowchart

