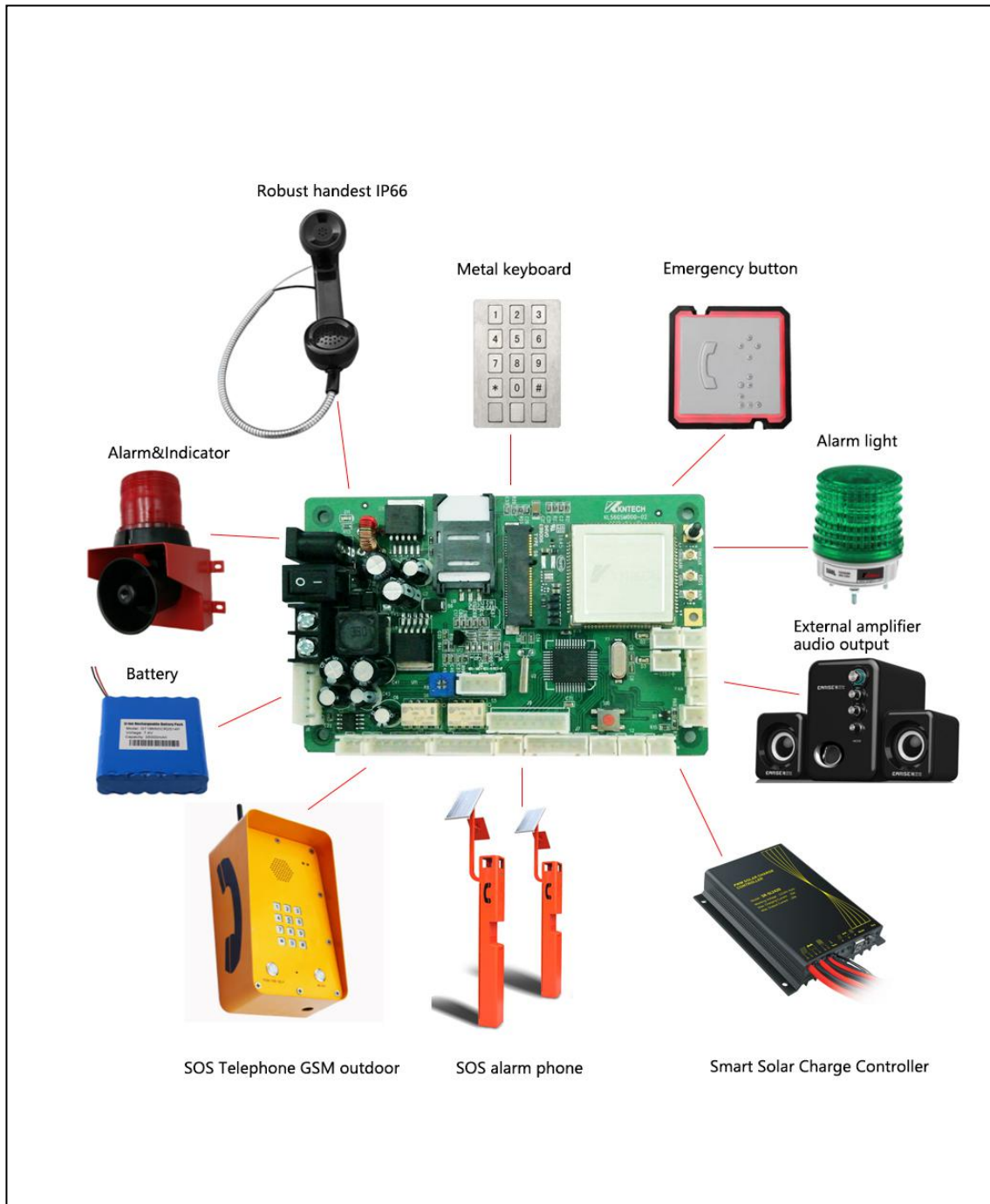


# GSM PCB board KN520



**PCB Features**

1. Support 3 G or 4 G, (optional).
2. Power supply: AC 110v/220v power or built-in rechargeable battery with solar powered panel optional.
3. Multiple key options: support dial any telephone number, the numeric keypad and function keys, speed dial keys, 4 button programmable telephon.
4. Voice interface: hands-free, handset, audio interfaces and an external amplifier interface.
5. Alarm Interface: Built-in three-way input and output control, options.
6. On board Amplifier: Built-in 3W / 8Ω digital amplifier, drive loudspeakers directly.
7. built-in Noise canceling microphone.
7. Waterproof grade about IP55
8. Warning lights drive: support indicator lights for coming calls.
9. Support for automatic hanging up.
10. Send short message: send alarm short message(optional)
11. 2-way input or output control, (options).
12. 2-way dry contact output (options).
13. Optional 7 minute time-limited call.( This function upon buyer's requirement).
14. Application: Tunnel, metro, railway, LRT, speedway, marine, ship,offshore, mine, power plant, bridge etc.

**SPECIFICATION :**

1. GSM 2G/3G /4G Solar Powered with built-in rechargeable battery
2. MTBF:100000hours      MTTR: 2 hours
3. Free dial (maximum length of each number is 16 digits)
4. Power : AC110~220V or 12VDC 1A or rechargeable battery(12V 14AH, option) Idle 1W, Max 10W.
5. Solar panels : 18V /30W(option)
6. Limited time call, optional.
7. Auxiliary Contacts : 2 way (option)
8. Aux Output, dry contact  
Dry contact Load parameter  
Rated load:0.3 A at 125 VAC; 1 A at 30 VDC  
Rated carry current:1A  
Max.switching voltage:125 VAC,60VDC  
Max.switching current:1A

## TECHNICAL SPECIFICATION :

1. Network Interface : (option)  
GSM : 850/900/1800/1900M HZ  
WCDMA : B1/B2/B5/B8

4G Frequency

·China

LTE-FDD B1/B3 /B8  
LTE-TDD B38/B39 /B40/ B41

·EMEA/Korea/Thailand/ Europe

LTE-FDD B1/B3/B5/B7/B8/B20

·North America

LTE-FDD B2/B4/ B5/B12/ B13

·Australia/New Zealand/South America

LTE-FDD B1/B2/B3/B4/B5/B7/B8/B28

·Japan

LTE-FDD B1/B3/B8/B18/B19/B26

2. Ringing: internal Speaker 3W 8Ω

3. Power Supply: Re-chargeable Battery powered or DC 12V 1A or Solar panel power supply.  
(12V /14Ah, Solar panels: 18V /30W---option)

4. Time-limited call (option)

5. Temperature: -30°C- +60°C

6. Relative Humidity: up to 90%

7. Built-in battery Standby , Idle power 1W. Call status power is about 3---8W

### PCB installation dimension diagram

