Electric vehicle monitoring terminal
GLM2037TK product specification

Please read this manual carefully before using the product and keep it properly.

Important safety information
- Please read this instruction before using the equipment
- Please keep these instructions
- Please notice all warnings
- Please follow all instructions
- Please ensure the cables are not trampled or squeezed, especially the connection point between the harness and the equipment
- Please use the attachment specified by the supplier。
- Any damage of the device, it must be repaired by professional maintenance personnel in time.
- The product must be installed by authorized personnel.

⚠ **Warning**

The logo marks important instructions. Lack of attention may result in serious injury or death.
- **Forbid to plunge the equipment into fire.**
- **Avoid the equipment wet or rained.**
- **Forbid remove or refit.**
- **Please use this product at 14V automotive voltage**

⚠ **Notice**

The logo marks notice instructions. Lack of attention may result in personal injury or product damage.

- **If there is any problem, please stop using it immediately. Otherwise it may cause personal injury or damage to the product**
- **Replacement with the wrong type of battery is a risk of explosion. Be sure to dispose the used battery according to the instructions.**
- **Please send the product back to the authorized distributor or service center for repair。**

Function description
- Data collection: Support 2CH CAN data acquisition channel according to OEM
- Data report: Data report period is 10 seconds in normal working situation, change to 1 second in abnormal working situation.
- Local storage: Storage data time no less than 127 hours.
- Warning information: Forward alarm information based on OEM requirements.
- Remote control: Remote configure the parameters abide by local standard, support OEM to customize remote control interface.
- Remote inquiry: Support OEM to customize remote control interface, the functions include remote dashboard, driving log, remote vehicle status inquiry.
- Power management: It is customized based on OEM normal power management.
- Software upgrade: Support local and remote(online) upgrade
- E-Call: Support make e-Call when an emergency event is triggered, either manually or automatically.
- Vehicle localization: support providing vehicle GPS information and tracking service based on OEM requirement.
- Backup Battery: To ensure functionality during loss of main power, TELEMATICS MODULE has a re-chargeable backup battery. If the main battery is cut off, TELEMATICS MODULE switches to backup battery automatically. Under normal working conditions, the backup battery does not participate in power supply, and will only be turned to the backup battery for power supply when the main power supply is cut off.The Backup Battery can support 10 min talk time + 60 min standby time + 10 min talk time in room temperature.

Parameters

category	Sub-classification	specification	unit
Power supply	Standby current	≦10.0	mA
	Max current	≦1000	mA
	Rated current	≦400	mA
	Rated voltage	DC+14	V
	Motion voltage range	8-16	V
	Rated power	4.8	W
Temperature	working temperature range	-40～85	℃
	battery working temperature range	0～50	℃

	storage temperature range	−40~85	℃
Electrical	CAN channel volume	1	−
	communication manner	2G/3G/4G/5G	−
	backup battery working duration	More than 10min (−20℃~85℃)	min
mechanical	dimension	176.2*160*63.1	mm
	weight	<800g	g

Component list

☑   Electric vehicle monitoring terminal host 1 set

标签
GPS　　5G连接器　　以太网连接器　　CAN连接器　　电源连接器
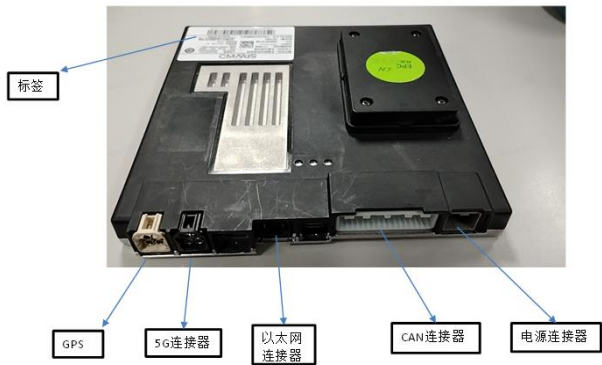
Picture 1   electric vehicle monitoring terminal

Name and content labeling of toxic and harmful substances

Component name	Toxic substance or element					
	lead (PB)	mercury (Hg)	cadmium (Cd)	hexavalent chromium (Cr(VI))	polybrominated biphenyls (PBB)	PBDE
Circuit board component	✕	○	○	○	○	○
shell component	✕	○	○	○	○	○
attachment	✕	○	○	○	○	○

○: Meaning the content of the toxic and harmful substance in the part is below the limitation specified in SJ/ T11363-2006 standard.
✕: Meaning   the content of the toxic and hazardous substance in the part exceeds the limitation specified in the SJ/ T11363-2006 standard.

This product does not contain any substances listed in the California Proposition 65.
Notice: The environmental protection service life depends on the product normal working temperature and humidity and other conditions.

Product installment

This product only provides the monitoring terminal of the electric vehicle, and the connector on the side of the vehicle is the standard connector of vehicle regulation level. The installation location and mode are defined by the vehicle manufacturer.

Main connector PIN definition
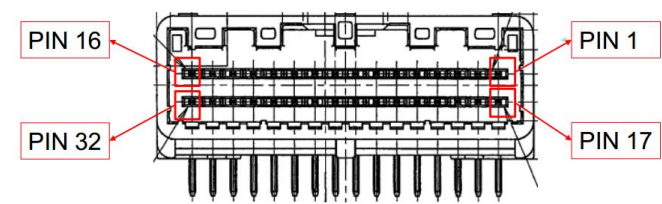
PIN	功能缩写	功能说明
1	CAN1_L	CAN信号L
9	RKE Interface	贴装LIN
11	SOS_BCALL_BUTTON	按键信号
14	Speaker+	AMP输出+
15	Speaker-	AMP输出-
17	CAN1_H	CAN信号H
22	SRS	SRS信号
23	SOS_LED_G	LED输出
24	SOS_LED_R	LED输出
28	BTN GND	按键&LED地
30	MIC IN	MIC输入信号
31	MIC IN GND	MIC输入地

5G RF connector PIN definition
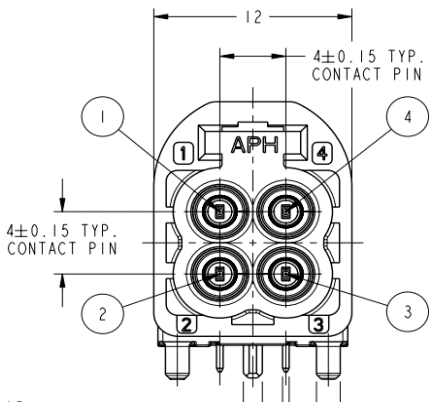
PIN	功能缩写	功能说明
1	ANT_DRX	5G 辅天线
2	ANT_PRX	5G 主天线
3	ANT_MIMO4	5G MIMO
4	ANT_MIMO3	5G MIMO

Product operation

After the monitoring terminal of electric vehicle is connected with the vehicle, the terminal can automatically bind with the vehicle after the ignition, and report the monitoring data to the monitoring backend. Users can monitor the running condition of the vehicle by the operation of the backend website.

Note

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the

instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

      —Reorient or relocate the receiving antenna.

      —Increase the separation between the equipment and receiver.

      —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

      —Consult the dealer or an experienced radio/TV technician for help.

- This equipment complies with radio frequency exposure limits set forth by the FCC for an uncontrolled environment.
  This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders.
- This device must not be co-located or operating in conjunction with any other antenna or transmitter.

- This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

      (1) This device may not cause interference; and

      (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

      (1)L'appareil ne doit pas produire de brouillage;

      (2)L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

- This equipment complies with radio frequency exposure limits set forth by the Innovation, Science and Economic Development Canada for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders.
- This device must not be co-located or operating in conjunction with any other antenna or transmitter.
- Cet équipement est conforme aux limites d'exposition aux radiofréquences définies par la Innovation, Sciences et Développement économique Canada pour un environnement non contrôlé.
- Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre le dispositif et l'utilisateur ou des tiers.
- Ce dispositif ne doit pas être utilisé à proximité d'une autre antenne ou d'un autre émetteur.