



instruction for central control of ebike

Product Name: Ebike



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1 Product introduction

1.1 Product overview

C1115 central control is a 36V / 48V on-board intelligent terminal used by eBike. It needs to communicate with the motorcycle system bus, support the vehicle's power control and vehicle cloud data interaction, and realize the insensitive unlocking and transparent display of data through the ble connection at the mobile app end.

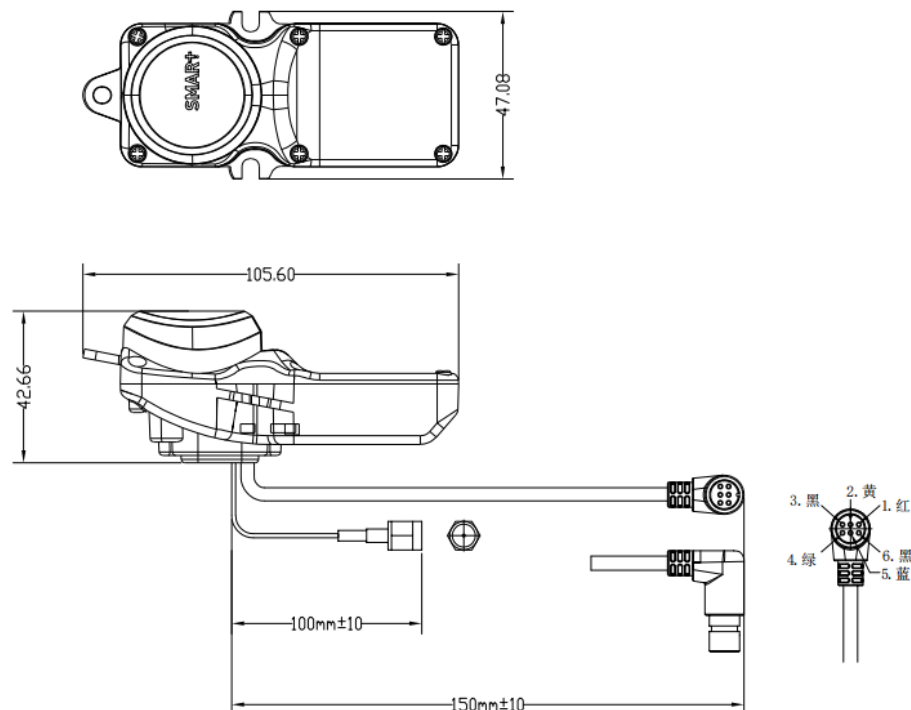
1.2 Product Feature

- Vehicle power on off control
- Vehicle GPS positioning
- Network system:
 - 1.FDD LTE:B2/B4/B5/B12/B13/B14/B25/B26
 - 2.TDD LTE:B66/B85
 - 3.GSM:900/1800Mhz
- GSM signal reception sensitivity > - 150db
- GPS system: GPS + GLONASS
- GPS parameters: 1. Cold start positioning duration 2. Positioning accuracy cep95 < 5m in open space
- Base station positioning: support
- BLE5.2
- 6-axis acceleration sensor
- ESIM card
- Vehicle FOTA support
- Built in backup battery

- Internal battery charging and discharging management
- Certification requirements
- Operating temperature range: - 20 °C ---65 °C
- Working humidity range: 0% ---90%

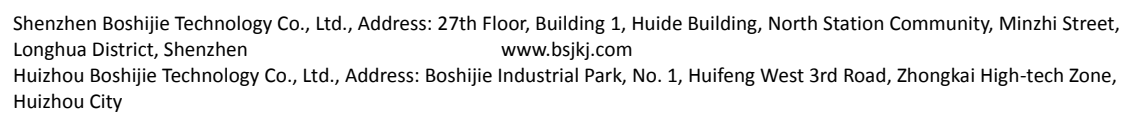
1.3 Product appearance

Fig. 1 appearance



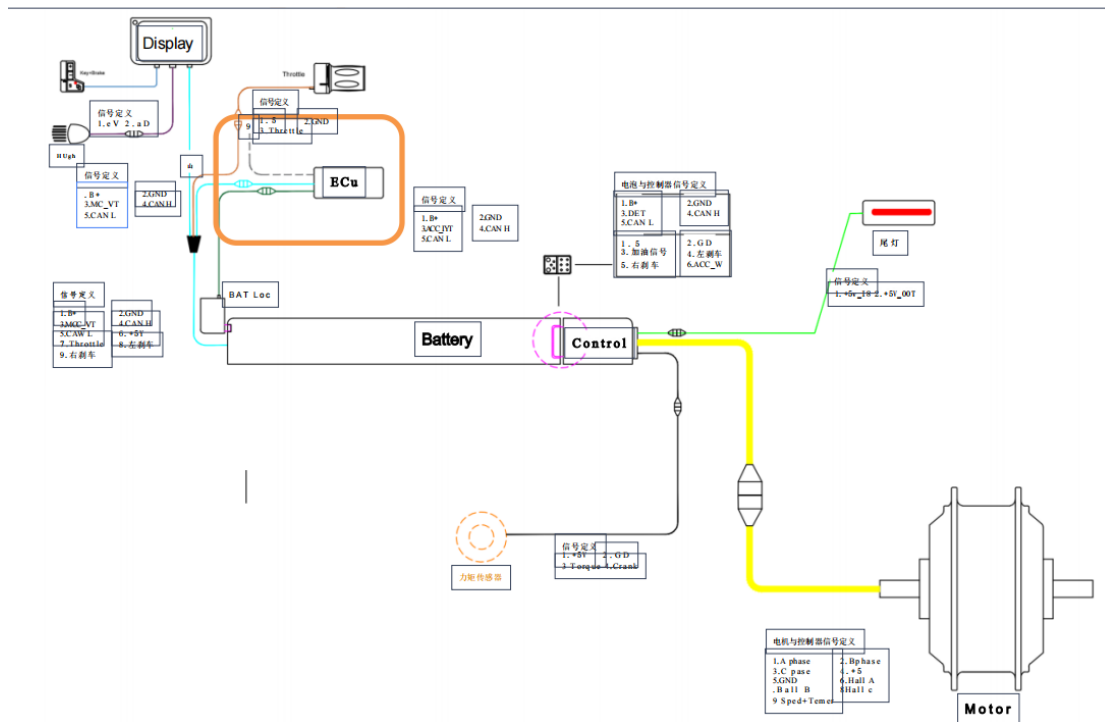
1.4 product dimension drawing

Fig. 2 product dimension diagram



1.5 application framework

Figure3 application framework



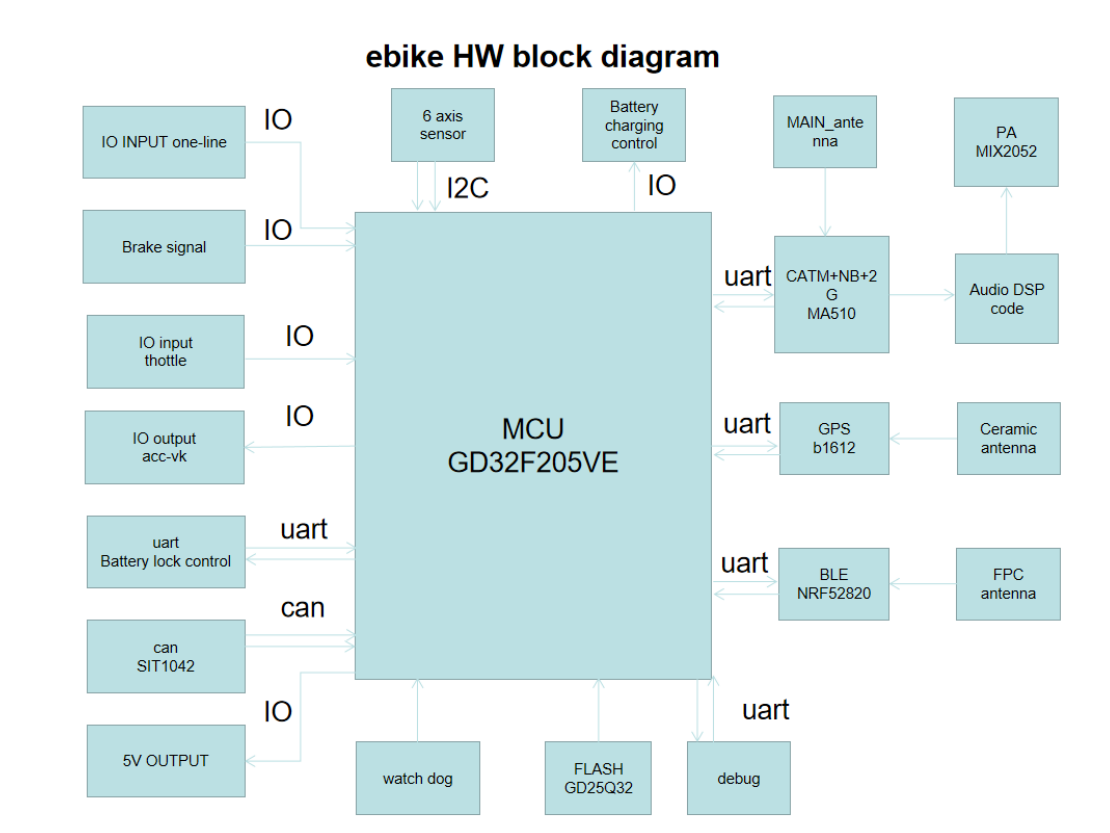
2 Hardware core parameters

Table 1 hardware core parameters

Name	parameter
Life	4 Years
Power supply	9V-100V, Anti reverse connection
Communication interface	CAN interface
Network	4G CAT1
location	Support GPS、GLONASS
Bluetooth	BLE5.2
SIM card	eSIMcard
Size	103.57*66.57*42.3mm
Operation temperature	-20℃~60℃
Storage temperature	-30℃~85℃
Waterproof grade	IPX7
Fire rating	V0 fire prevention

3 internal frame diagram

Fig. 4 internal frame diagram



4 Interface and harness definition

4.1 interface definition

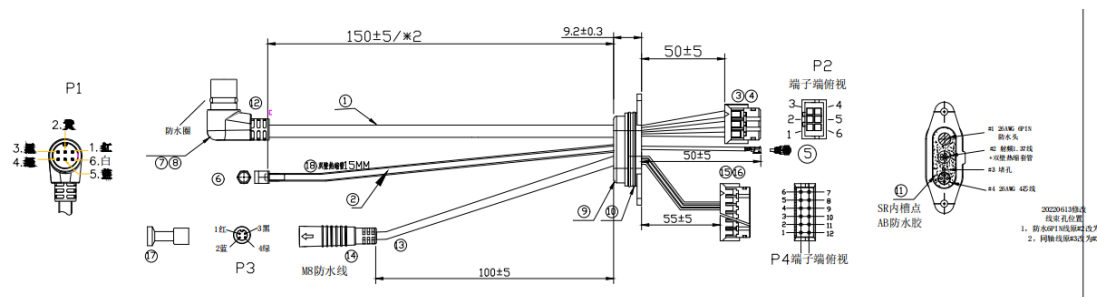


Figure 5 interface definition

4.2 Harness definition

Table 2 definition of harness



A			B	
	P2	P4	P1	P3
1	BMS-VCCIN	NC	RED	BLACK
2	GND	GND	YELLOW	BLUE
3	CANL	MCU-TX-BM S-RX	BLACK	GREEN
4	CANH	BMS-TX-MC U-RX	BLUE	RED
5	GND	W-SB-IN-2	GREEN	
6	ACC-VK	W-SPK-P	WHITE	
7		W-SPK-N		
8		W-SB-IN		
9		TB-5V		
10		W-TB-IN		
11		5VOUT		
12		BMS-ONE		



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance

could void the user's authority to operate the equipment.

NOTE: 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.