CAN Recorder

Product Specification

Specification Version: V2.10

Update Date: 2020.11.19

Model: CAN Recorder

I. Power Supply

1. Battery Powered: Built-in 2500mAh high-capacity battery, can run for 15 hours without power supply.

2. USB Powered: 5V power supply through USB cable, can be connected to mobile phone charger/computer.

3. DC Power Supply: 9V-35V wide range power supply, 0.5A.

II. Main Function

1. Offline Recording: All CAN bus data can be recorded without the need for a computer connection.
2. TF Card Storage: Standard 32G SanDisk class 10 high-speed TF card, can store 350 million frames of CAN data.
3. TF card storage capacity limit: no limit, can be optional. Measured 512G can store 5.6 billion frames of CAN data.
4. Offline Playback: you can save the data, directly sent back to the CAN bus as is, simulating the device signal.
5. Offline Relay: between CAN1 and CAN2, can be intelligent relay, direct forwarding, or rewriting forwarding.
6. All kinds of CAN lines: support for high-speed / low-speed / fault-tolerant / single-wire CAN / comfort / entertainment CAN lines.
7. Built-in Clock: You can save the received Beijing time for each frame of data.
8. Data Saving Format: txt, csv, asc, CAN.

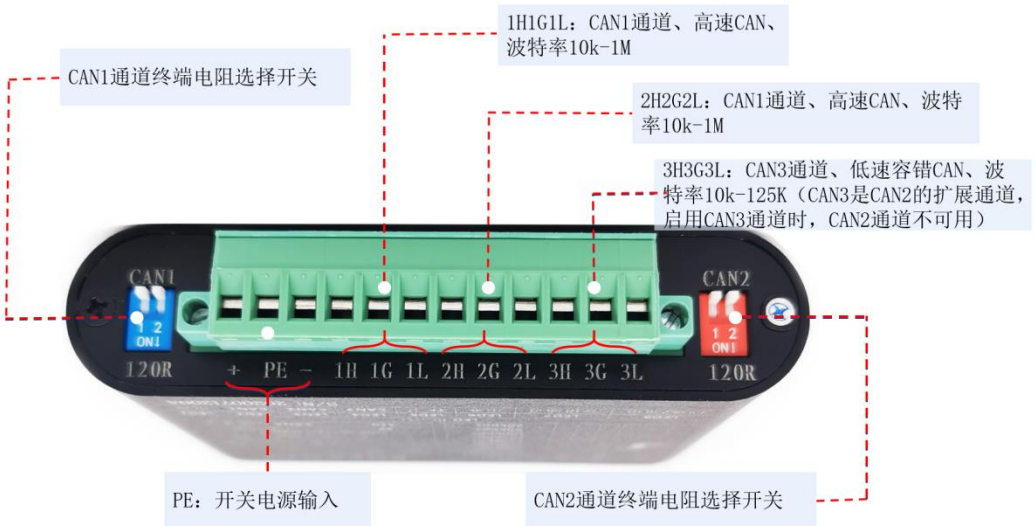
III. Interfaces

1. POWER：Power switch, mainly for battery power supply.
2. S1-S10：Baud rate and function selection switch.
3. USB：Configure Beijing time/copy TF card data through PC (USB port can not read CAN data in real time).
4. TF Card: standard TF card.
5. LED1-8：LED indicator.
6. +PE-：Switching power input.
7. 1H/1G/1L：CAN1 channel, high-speed CAN, baud rate 10k-1M.
8. 2H/2G/2L：CAN2 channel, high-speed CAN, baud rate 10k-1M.
9. 3H/3G/3L：CAN3 channel, low-speed fault-tolerant CAN, baud rate 10k-125K (Note: CAN3 is the extension of CAN2, CAN2 is not available when CAN3 is enabled).
10. CAN1 120R：CAN1 channel terminal resistance selector switch.
11. CAN2 120R: CAN2 channel terminal resistance selector switch.

IV. Physical Drawings


通过背面菜单快速查找功能
波特率设置/下(ON)
S1 S2 S3 CAN1
S4 S5 S6 CAN2/CAN3
上 上 上 1000kbps
上 上 下 800kbps
上 下 上 500kbps
上 下 下 250kbps
下 上 上 125kbps
下 上 下 100kbps
下 下 上 80kbps
下 下 下 20kbps
拨码开关 S1-S10
功能选择/组合开关
S7 S8 功能
上 上 存储文件格式:TXT
上 下 存储文件格式:CSV
下 上 打开回放功能
下 下 进入 USB 配置模式
功能选择/下(ON)开启
S9 中继功能
S10 CAN3 容错通道
LED 指示灯
LED8 LED7 LED6 LED5 LED4 LED3 LED2 LED1
回放/充电 容错通道 中继 TF 卡 CAN3 CAN2 CAN1 电源
S/N: 2020072100B


电源开关，主要针对电池供电
可以通过PC配置北京时间/拷贝SD卡数据（USB口不能实时读CAN数据）
波特率与功能选择开关。
标配TF卡
LED灯组，完全指示设备运行状态
POWER
USB
TF Card
LED
4 3 2 1
8 7 6 5
1 2 3 4 5 6 7 8 9 10
ON
S1
S10


1H1G1L：CAN1通道、高速CAN、波特率10k-1M
CAN1通道终端电阻选择开关
2H2G2L：CAN1通道、高速CAN、波特率10k-1M
3H3G3L：CAN3通道、低速容错CAN、波特率10k-125K（CAN3是CAN2的扩展通道，启用CAN3通道时，CAN2通道不可用）
CAN1
CAN2
1 2
ON
120R
120R
+ PE - 1H 1G 1L 2H 2G 2L 3H 3G 3L
PE：开关电源输入
CAN2通道终端电阻选择开关

V. File Format Effects

A	B	C	D	E	F	G	H	I	J
序号	系统时间	时间标识	CAN通道	传输方向	ID号	帧类型	帧格式	长度	数据
48	11:04:51.097	0x33F30651	ch1	接收	0x0001	数据帧	标准帧	0x08	x 00 00 00 00 00 00 00 00
49	11:04:51.097	0x33F306B5	ch1	接收	0x0002	数据帧	标准帧	0x08	x 01 00 00 00 00 00 00 00
54	11:04:51.127	0x33F30719	ch1	接收	0x0003	数据帧	标准帧	0x08	x 02 00 00 00 00 00 00 00
55	11:04:51.127	0x33F30787	ch1	接收	0x0004	数据帧	标准帧	0x08	x 03 00 00 00 00 00 00 00
56	11:04:51.127	0x33F307E2	ch1	接收	0x0005	数据帧	标准帧	0x08	x 04 00 00 00 00 00 00 00
57	11:04:51.127	0x33F3083B	ch1	接收	0x0006	数据帧	标准帧	0x08	x 05 00 00 00 00 00 00 00
60	11:04:51.157	0x33F3089E	ch1	接收	0x0007	数据帧	标准帧	0x08	x 06 00 00 00 00 00 00 00
61	11:04:51.157	0x33F3090B	ch1	接收	0x0008	数据帧	标准帧	0x08	x 07 00 00 00 00 00 00 00
65	11:04:51.187	0x33F3096F	ch1	接收	0x0009	数据帧	标准帧	0x08	x 08 00 00 00 00 00 00 00
66	11:04:51.187	0x33F309CA	ch1	接收	0x000A	数据帧	标准帧	0x08	x 09 00 00 00 00 00 00 00
67	11:04:51.187	0x33F30A30	ch1	接收	0x000B	数据帧	标准帧	0x08	x 0A 00 00 00 00 00 00 00
71	11:04:51.217	0x33F30A9D	ch1	接收	0x000C	数据帧	标准帧	0x08	x 0B 00 00 00 00 00 00 00
72	11:04:51.217	0x33F30B01	ch1	接收	0x000D	数据帧	标准帧	0x08	x 0C 00 00 00 00 00 00 00
73	11:04:51.217	0x33F30B66	ch1	接收	0x000E	数据帧	标准帧	0x08	x 0D 00 00 00 00 00 00 00
78	11:04:51.248	0x33F30BC9	ch1	接收	0x000F	数据帧	标准帧	0x08	x 0E 00 00 00 00 00 00 00
79	11:04:51.248	0x33F30C23	ch1	接收	0x0010	数据帧	标准帧	0x08	x 0F 00 00 00 00 00 00 00
80	11:04:51.248	0x33F30C91	ch1	接收	0x0011	数据帧	标准帧	0x08	x 10 00 00 00 00 00 00 00
81	11:04:51.248	0x33F30CE2	ch1	接收	0x0012	数据帧	标准帧	0x08	x 11 00 00 00 00 00 00 00
84	11:04:51.278	0x33F30D5A	ch1	接收	0x0013	数据帧	标准帧	0x08	x 12 00 00 00 00 00 00 00
85	11:04:51.278	0x33F30DC9	ch1	接收	0x0014	数据帧	标准帧	0x08	x 13 00 00 00 00 00 00 00