**Customized features on firmware T333\_Y39V083\_20180619:**

1. **Compatible with AMMVA Magnetic Card Reader:**
2. When ACC is ON, the integrated-buzzer of Reader would beep for X minutes unless you scan the Driver License Card that has been authorized. But if you have scanned the authorized card before ACC is ON within Y minutes, the buzzer doesn’t beep. If ACC is OFF, the buzzer beeping will stop.

C50 command is for authorizing Card type

C51 command is for setting integrated-buzzer beeping time X minute

C52 command is for setting the valid duration time Y minutes before ACC is ON

**Setting the Driving License Type – C50**

|  |  |
| --- | --- |
| GPRS Sending | C50,*Driving license type 1*,*Driving license type 2*,…*Driving license type n* |
| GPRS Reply | C50,OK |
| Description | Driving license type: The parameter value ranges from 0 to 65535. The maximum value of parameter *n* is **16**.  The default parameter value is **0**, indicating that no driving license type is set.  If you want to read all driving license types, send**C50**.  After a new parameter value is set, the existing parameter value will be deleted. |
| Applicable Model | T330G |
| **Example** | |
| GPRS Sending | @@c29,353358017784062,C50,22,24\*A8\r\n |
| GPRS Reply | $$c28,353358017784062,C50,ok\*53\r\n |

**Setting Buzzer's BuzzingSound Time – C51**

|  |  |
| --- | --- |
| GPRS Sending | C51,*Longest buzzing sound time* |
| GPRS Reply | C51,OK |
| Description | Longest buzzing sound time: The parameter value ranges from 0 to 255. The default value is **10**. Unit: minute.  When the parameter value is **0**, the buzzer will make a buzzing sound all the time once it is triggered. |
| Applicable Model | T330G |
| **Example** | |
| GPRS Sending | @@c29,353358017784062,C51,30\*16\r\n |
| GPRS Reply | $$c28,353358017784062,C51,ok\*54\r\n |

**Setting the Valid Time afterSwiping Cards – C52**

|  |  |
| --- | --- |
| GPRS Sending | C52,*Valid time after swiping cards* |
| GPRS Reply | C52,OK |
| Description | Valid time after swiping cards: The parameter value ranges from0 to 255. The default value is **10**. Unit: minute.  When the parameter value is **0**, the card swiping is invalid. |
| Applicable Model | T330G |
| **Example** | |
| GPRS Sending | @@c29,353358017784062,C52,10\*15\r\n |
| GPRS Reply | $$c28,353358017784062,C52,ok\*55\r\n |

1. Protocol of Card Reader is as below:

02% ^PROMSAKHA NA SAKONNAKAMOL$PROMPAN$.^?;6007643800600106231=150519870412=?#21 2 0000455 70100 ?

“02% ^PROMSAKHA NA SAKONNAKAMOL$PROMPAN$.^?;” indicates driver name

“6007643800600106231=150519870412=?#” indicates driver ID information

“21 2 0000455 70100 ?” indicates card ID, “21” is card type.

**Only when you scan card on Reader can you get the data above.**

1. **Compatible with Fare Meter GWP5043:**
2. When someone press “start” or “stop” on fare meter, T333 would send trip information from Meter to the Platform.
3. Trip information from Meter is as below:

start time

stop time

distance from meter

fare

total trip time

1. Protocol from Meter is as below:

|  |  |
| --- | --- |
| **Description** | **Example** |
| Indicates the taxi meter data.  Assistedinfo|Startingtime|Endingtime|Distance|Fare|Triptime|Waiting time  **Assisted info**: Contains 1 byte; hexadecimal.  **Bit 0**: The parameter value is **0** or **1**. When the value is **0**, the taxi meter is started. When the value is **1**, the taxi meter is stopped.  **Bit 4**: The parameter value is **0** or **1**. When the value is **0**, the taxi meter type is G\_TAX. When the value is **1**, the taxi meter type is 3TM. When the taxi meter is started, there is starting time only.  **Starting time**: Contains 12 characters. The data is in YYMMDDHHMMSS format.  **Ending time**: Contains 12 characters. The data is in YYMMDDHHMMSS format.  **Distance**: Decimal.Unit: meter.  **Fare**: Decimal.Unit: one percent ofThai baht.  **Trip time**: Contains 6 characters. The data is in HHMMSS format.  **Waiting time**: Contains 6 characters. The data is in HHMMSS format. | 01|171122124509|171122130748|48700|37500|002200|000200 |

1. **Automatically take photo after triggering SOS alert:**

When SOS alert is triggered, T333 automatically take a photo every T minutes. Totally the camera would take S pieces of photo and send the images to the platform. T333 is capable of deleting the photos that have been sent.

Command B46 is used for configuring this feature:

B46,E,T,S,U,D

B46,OK

01 E: EVENT code, the event code of SOS is 1

02 T: Interval of taking photos, range from 0 - 65535

03 S: photos to be taken，range from 0 – 65535

04 U: Automatically upload photos OR NOT 0: Yes，1: No

05 D: Automatically delete photos that have been sent OR NOT 0: Yes，1: No

1. **C91 command for RS232/RS485 configuration:**

C91,X,Serial Y1:Peripheral K1, Serial Y2:Peripheral K2, Serial Y3:Peripheral K3, Serial Y4:Peripheral K4, Serial Y5:Peripheral K5

C91,OK

X=PC: The RS232 is connecting without A78/A84

X=A78: The RS232 is connecting A78

X=A84: The RS232 is connecting A84

Yn=1: RS232-EX1

Yn=2: RS232-EX2

Yn=3: RS232-EX3

Yn=4: RS485-EX1

Yn=5: RS485-EX2

Kn=0: RS232 Camera

Kn=1: Handset

Kn=2: LED Screen

Kn=3: A21 Display

Kn=4: RFID Reader

Kn=5: Garmin Device

Kn=6: LLS Fuel Sensor

Kn=7: Reserved

Kn=8: Ultrasonic Sensor

Kn=9: A78 Box

Kn=10: A79 LED Screen

Kn=11: Magnetic Reader

Kn=12: Reserved

Kn=13: RS485 Camera

Kn=14: Reserved

Kn=15: Wireless Temperature Sensor

Kn=16: A84 Box

Kn=17: Meter GTAX

Kn=18: Meter 3TM

Kn=19: A86 LED

Kn=20: Meter GWP