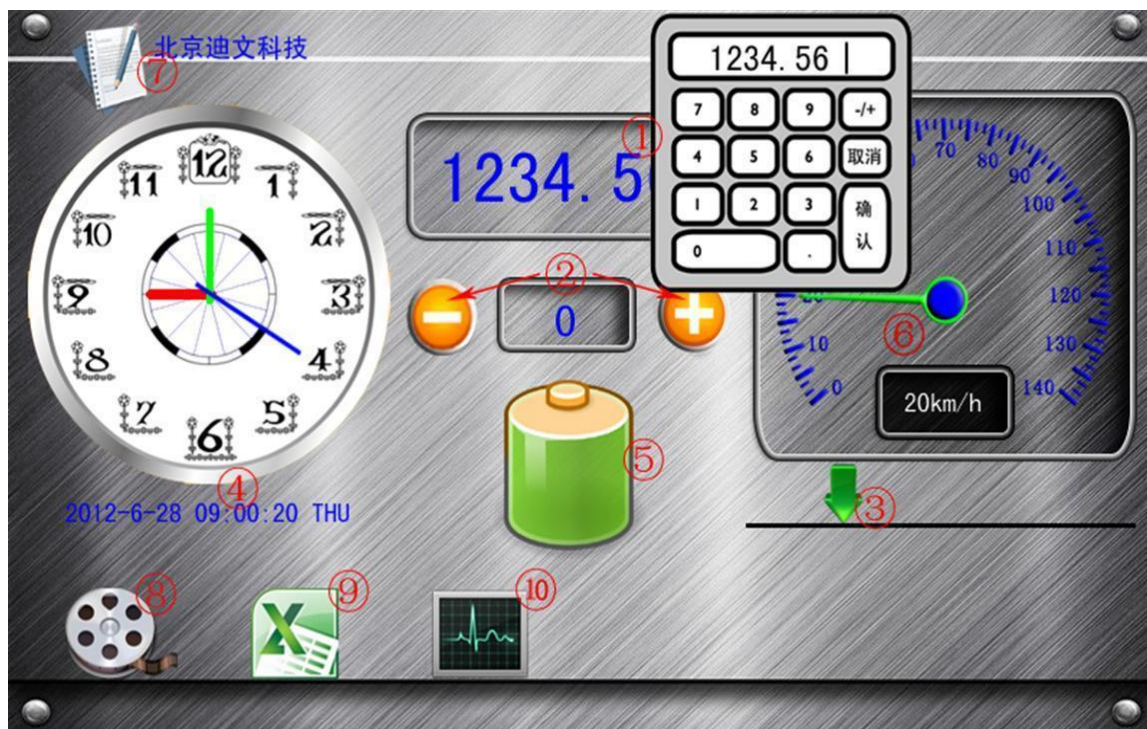


DWIN DGUS Applications Example

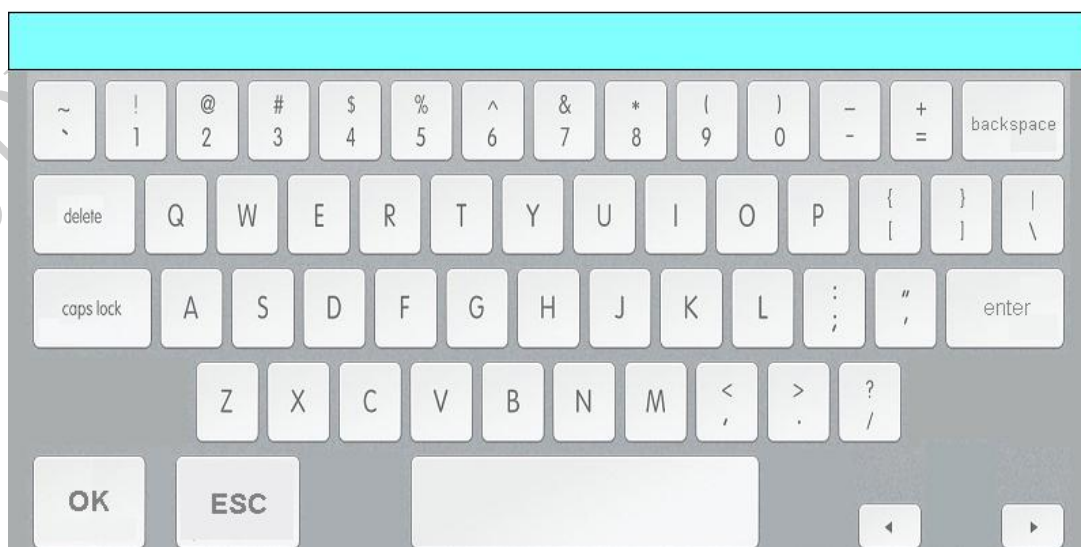
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1 DGUS Key Functions Preview



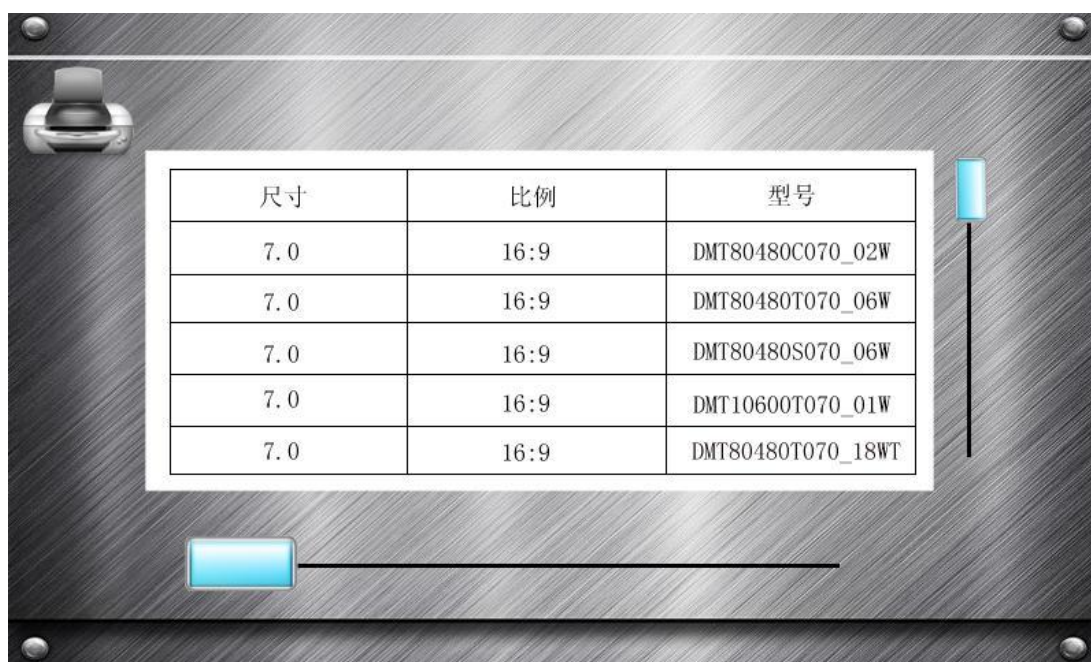
- ① **Variable input and display:** 0xFE00 Variable Data Input(pop-up keyboard which is not on the current page); 0x5A10 Data Variable Display.
- ② **Variable adjustment(“++”,“--”) and display:** 0xFE02 Incremental Adjustment; 0x5A10 Data Variable Display.
- ③ **Slider adjustment (drag with following slider) :** 0xFE03 Slider Adjustment; 0x5A02 Slider.
- ④ **Time set and display:** 0xFE04 RTC Setting(similar to 0xFE00 Variable Data Input); 0x5A12 RTC Display (Two kinds of time display: digital and analog clock)
- ⑤ **Scale bar, status bar :**0x5A00 Variable Icon Display (Display different icons corresponding to the different variable values); 0x5A01 Animation Icon Display(When the variable is a specified value, display multiple icons circulation animation in proper order)
- ⑥ **Dashboard :**0x5A05 Icon Rotation Instructions
- ⑦ **Text input and display:** 0xFE06 Text Input; 0x5A11 Text Display..

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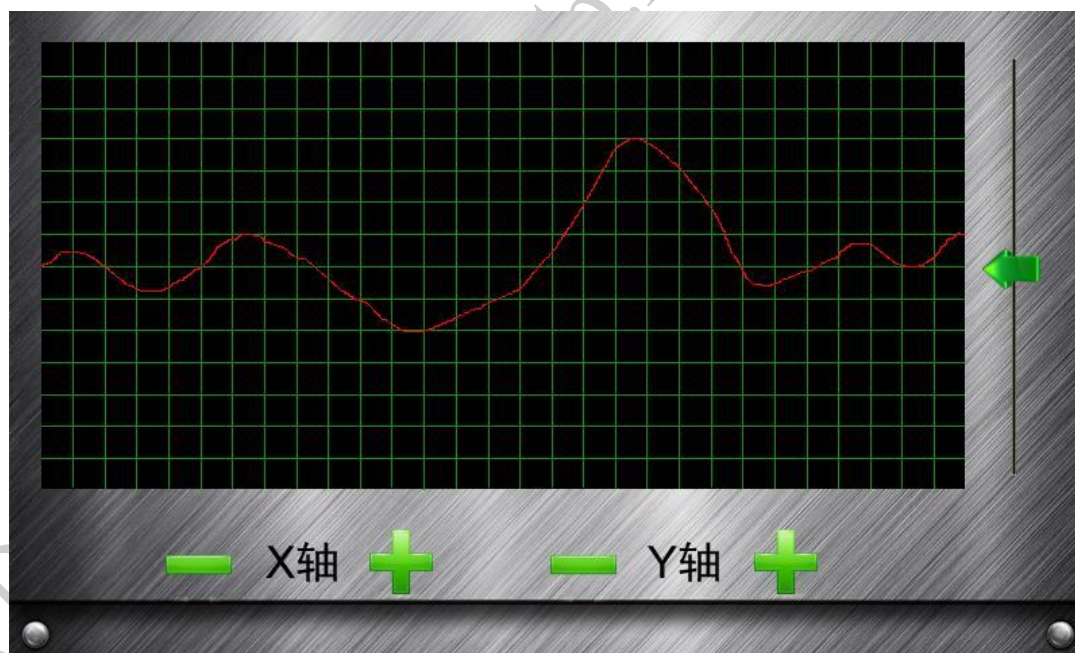


- ⑧ **Boot animation, electronic album:** 0x5A04 Images Animation..

⑨ **Table display, drag and print:** 0x5A22 Table Display; 0xFE03 Slider Adjustment ; 0x5A02 Slider; 0xFE07 Firmware Parameter Configuration..



⑩ **Display and adjust the curve:** 0x5A20 Dynamic Curve (Supports up to eight channels simultaneously receive data and show the real-time curve); 0xFE03 Slider Adjustment; 0x5A02 Slider; 0xFE02 Incremental Adjustment. Adjustment of the curve scaling and central axis position can be achieved without code interference.



2 Application Examples

2.1 Display, input and adjustment of parameters

0x5A10 Data Variable Display, optional font, font size, font color, and data unit.



0xFE00 Variable Data Input, click on the touch region display the pop-up keyboard and the input process with flashing cursor.



0xFE02 Incremental Adjustment, click on the buttons to adjust the data in the way of "-" & "+".

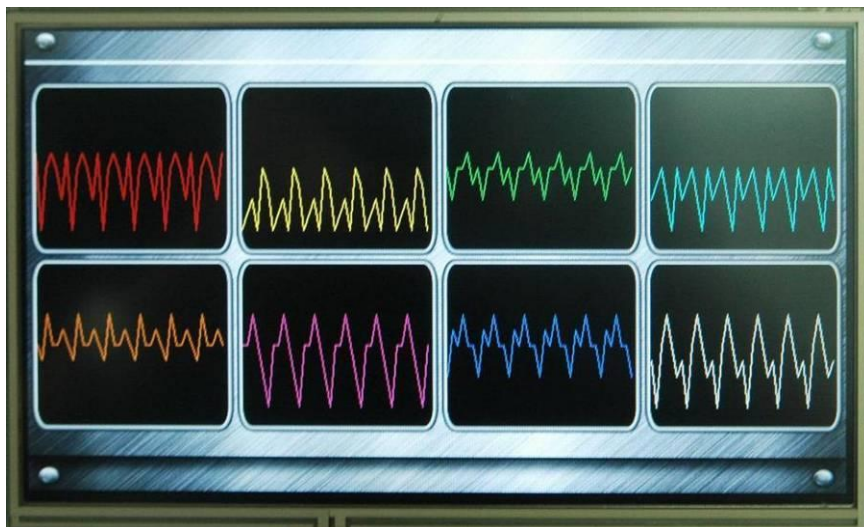


0xFE03 Slider Adjustment, press the touch region 0.5 second and then drag to adjust the data.

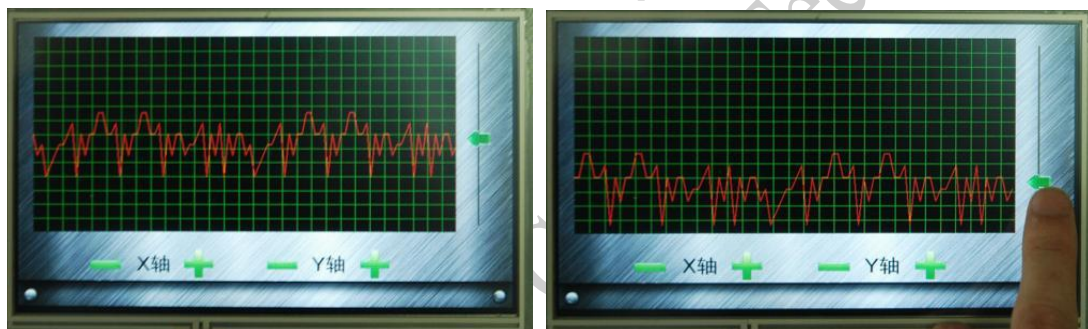


2.2 Display and adjust the curve

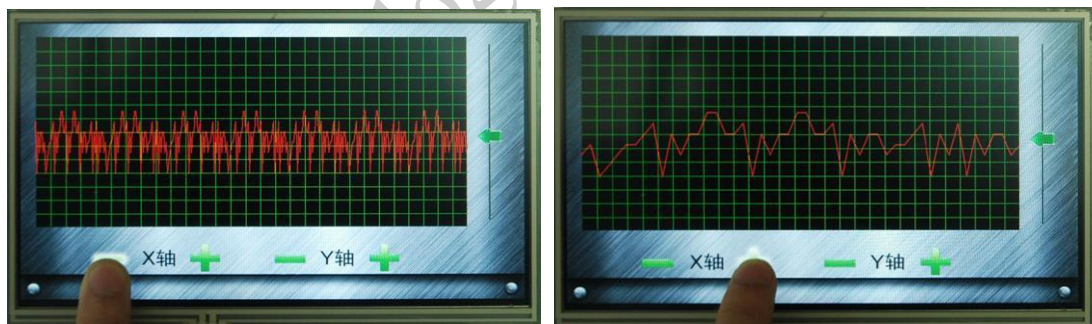
0x5A20 Dynamic Curve, support up to 8 channels to receive data and real-time display the curve at the same time.



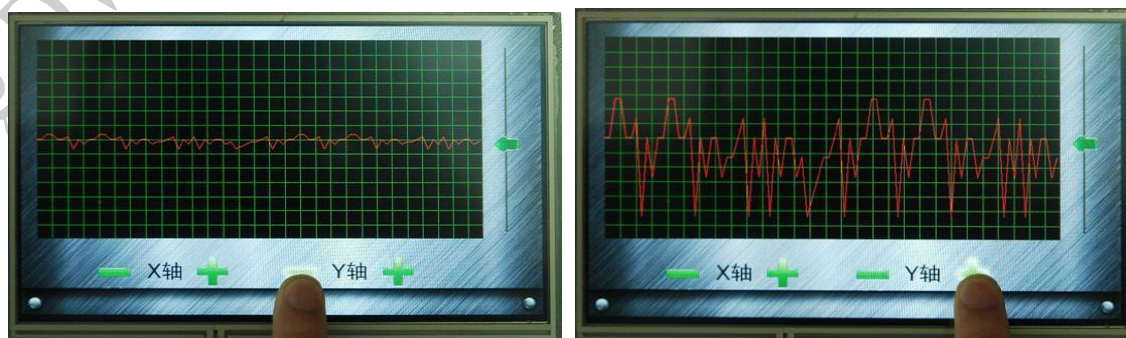
0xFE03 Slider Adjustment with 0x5A02 Slider, control the position of the curve center axis.



0xFE02 Incremental Adjustment, adjust X-axis scaling of the curve.



0xFE02 Incremental Adjustment, adjust Y-axis scaling of the curve.



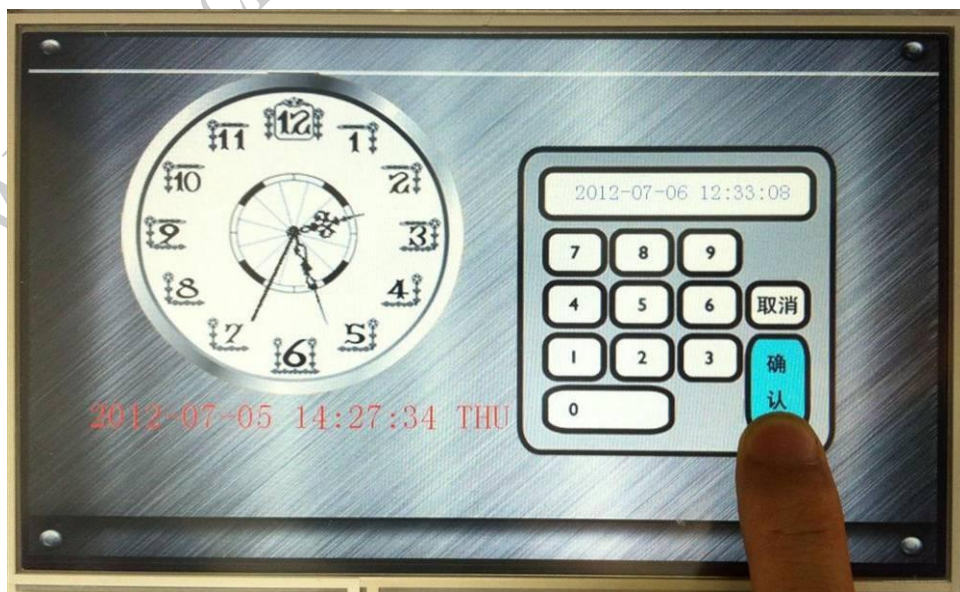
2.3 Time display and set

0x5A12 RTC display, tow kinds of time display: Digital and analog.

Text time display with user-defined display format , dial time display with user-designed dial and pointers.



0xFE04 RTC Setting, click on the touch area, display the pop-up setting keyboard and the input process with the flashing cursor.



2.4 Progress bar display

The progress bar is achieved by mainly two ways: variable icon to display and slider scale to indicate.

1) **0x5A00 Variable Icon Display:** Display different icons corresponding to different variable values.

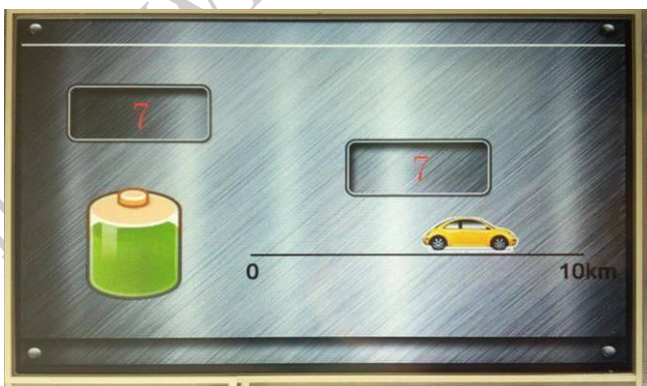
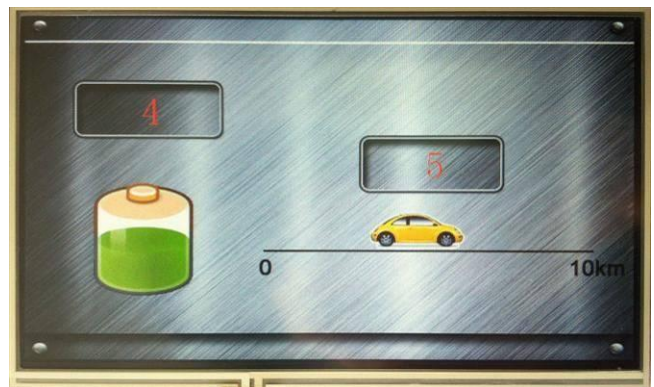
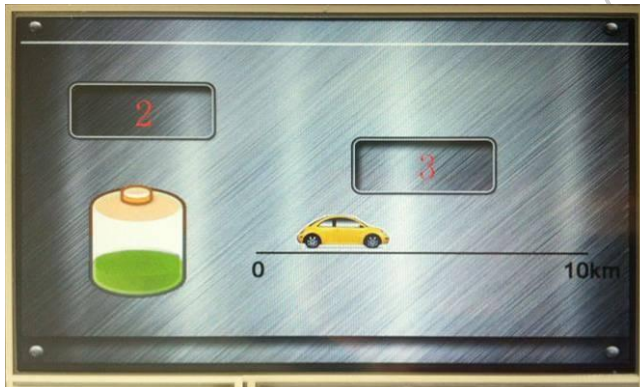
2) **0x5A02 Slider:** The slider shows in different locations corresponding to different variable values.

In following case the battery indicator is variable icon to display, mileage display is slider scale. Both variable initial values are 0.



Battery indicator: display different battery icons corresponding to different power values.

The mileage display: The car icon is displayed in different locations corresponding to different mileage values..



2.5 Control switch, display animation of operating status

Set **0xFE02 Incremental Adjustment** button, adjustment in step of 1, range 0-1, cycle when over the range. The variable value switches between 0 and 1 by pressing the button. Control the equipment operating status by querying the value of the variable.

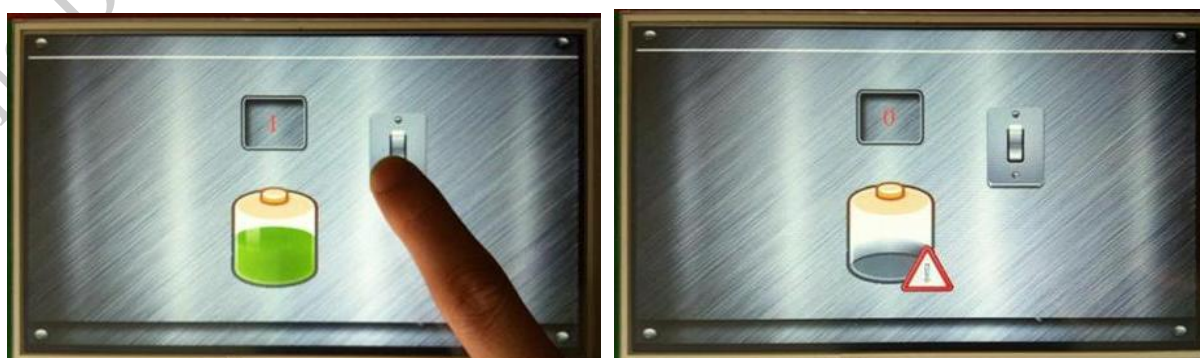
0x5A01 Animation icon Display, When the variable is 0, fixed display the no-electricity icon.



Touch the switch, the variable value changes to 1 and the device start running. The following electricity icons display in turns and achieve the circulation charging animation.

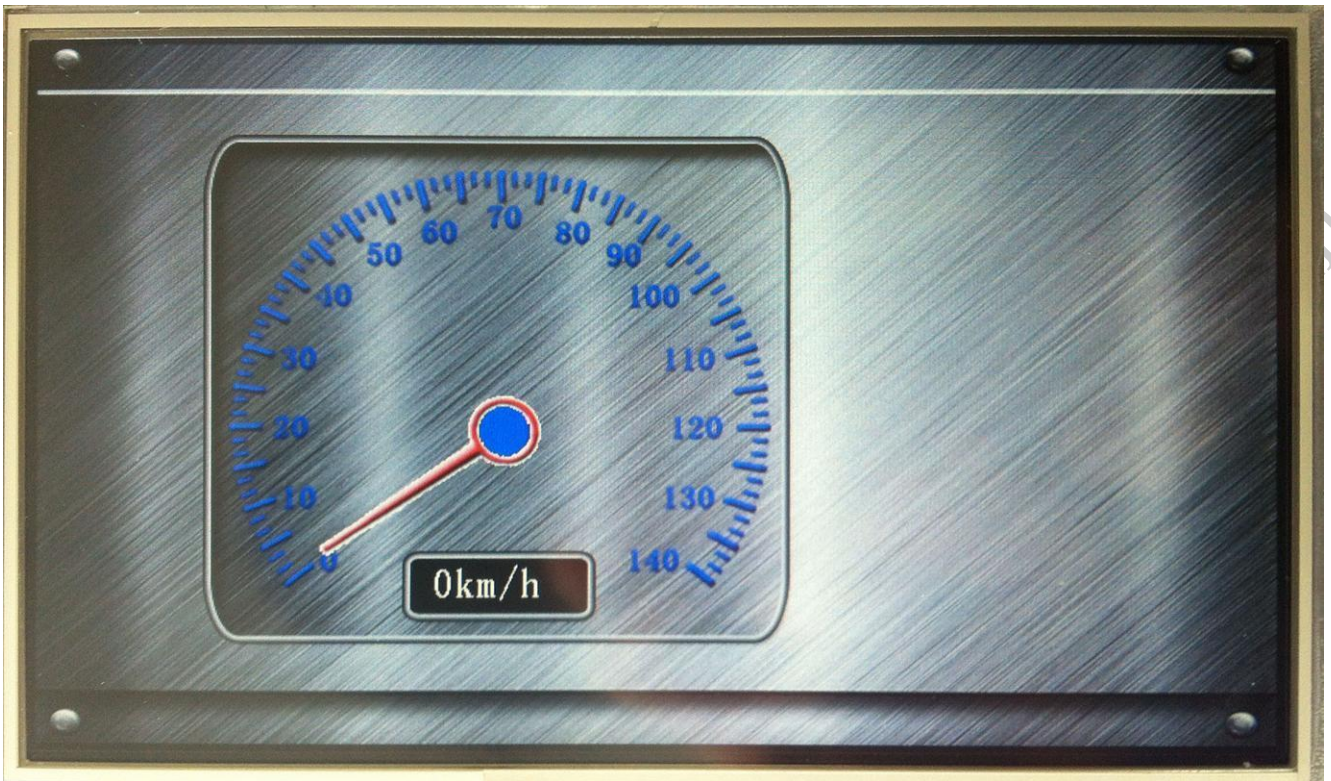


Touch the switch again, the variable value changes to 0 and the device stop with fixed no-electricity icon.

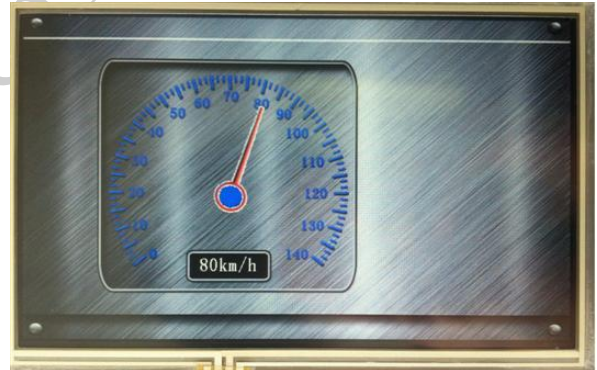


2.6 Dashboard display

0x5A05 ICON Rotation Instructions.

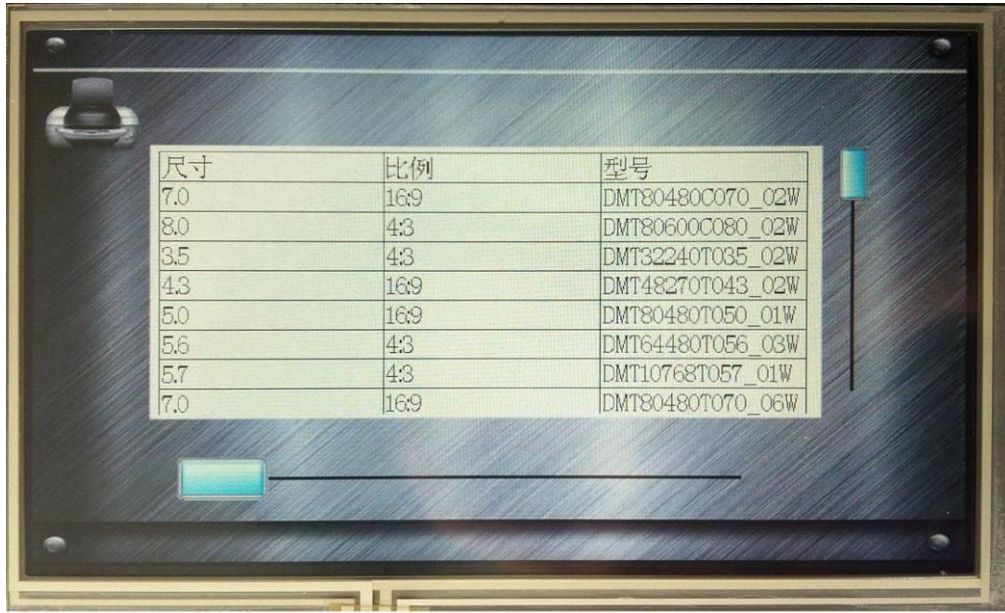


The dial pointer icon displays with different angles of rotation corresponding to different values of a variable.

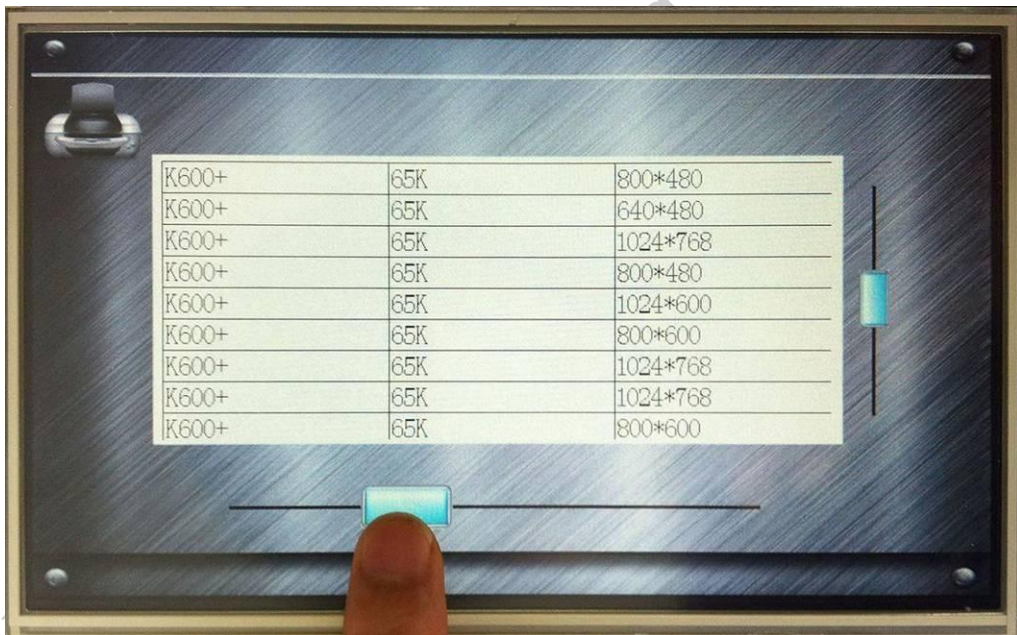


2.7 Display and print a form

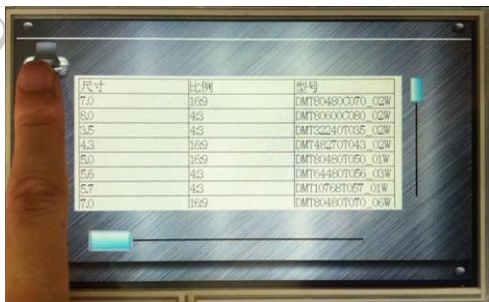
0x5A22 Tabulate Display, content to display can be generated by the variable initializing configuration file.



If the form is too large to display completely, change the form display area by **0xFE03 Slider Adjustment** with **0x5A02 Slider**.



Print specified area displaying on the screen by **0xFE07 Firmware Parameter Configuration** touch button, with the user's MCU connecting to a serial printer.

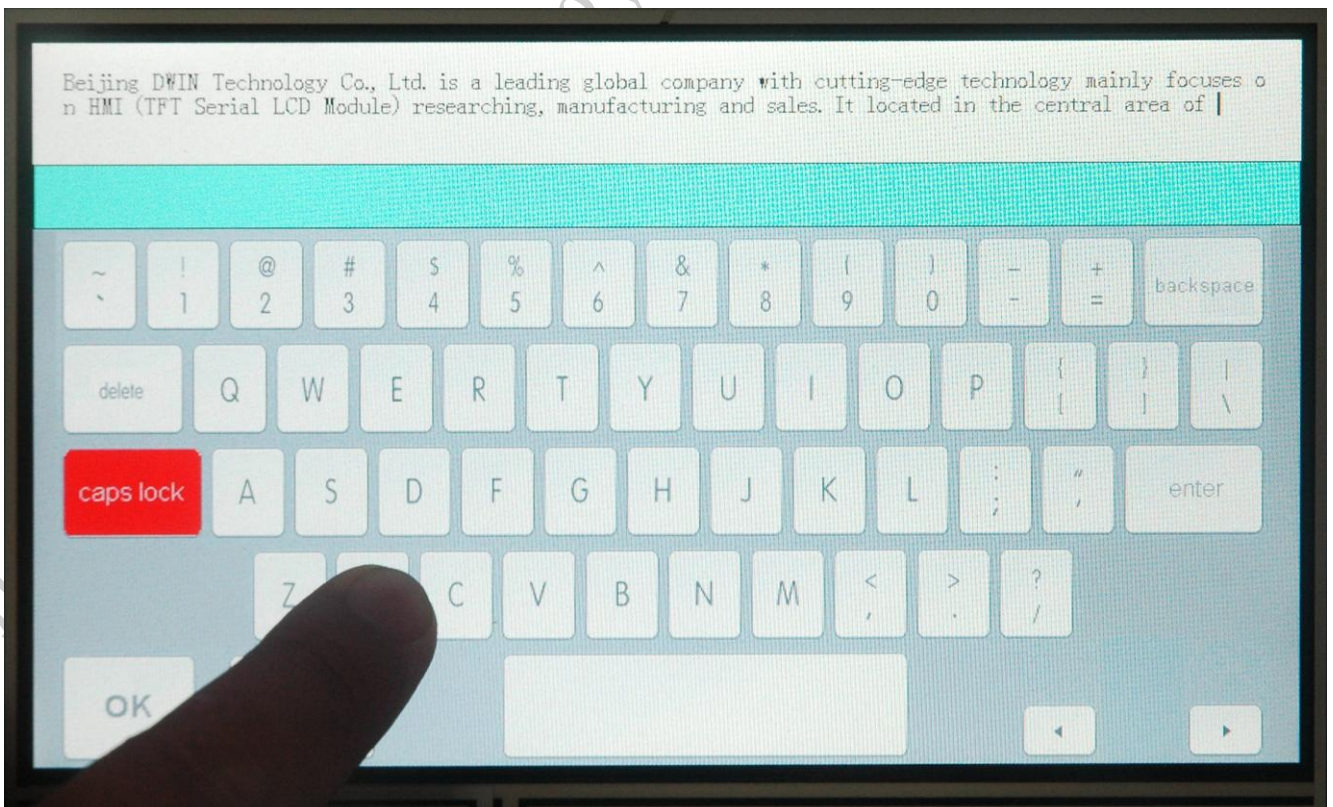


尺寸	比例	型号
7.0	16:9	DMT80480C070_02W
8.0	4:3	DMT80600C080_02W
3.5	4:3	DMT32240T035_02W
4.3	16:9	DMT48270T043_02W
5.0	16:9	DMT80480T050_01W
5.6	4:3	DMT64480T056_03W
5.7	4:3	DMT10768T057_01W
7.0	16:9	DMT80480T070_06W

2.8 Text display and input

0x5A11Text Display, 0xFE06 ASCII Text Entry, support ASCII text and GBK Chinese character text display and input.

Click on the touch area, pop-up text entry keyboard.



2.9 Electronic Album (boot animation)

0x5A04 Images Animation, multiple full-screen pictures switch in order, with user-defined time interval of the switching.

By software for video capture, with this function, you can make video for the boot animation.



2.10 Multi-channel switch display

Four-channel switch control as example, set four **0xFE02 Incremental Adjustment** button and four **0x5A00 Variable Icon display** pointing to four different variables, adjustment in step of 1, range 0-1, cycle when over the range. The red icon corresponds to value 0, the green icon corresponds to value 1.



Click on the switch button each time, the corresponding variable value switches between 0 and 1, the corresponding variable icon switches between the red and the green. Control the state of the switches by querying the values of the corresponding variables.

