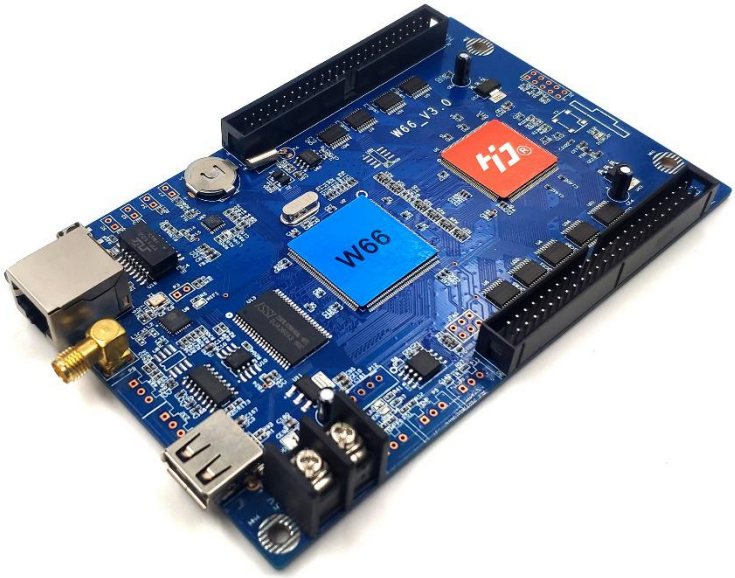


Product Specifications

Single & dual color Wi-Fi control card

HD-W66

V3.0 20201210

1. Overview

W66 is Wi-Fi control card, update programs by Wi-Fi connected, it has USB port，can also using the U disk to update the program. Low cost, Cost-effective， simple software interface, easy to operate，better display information、good effect，supports variety kinds of single-color display.

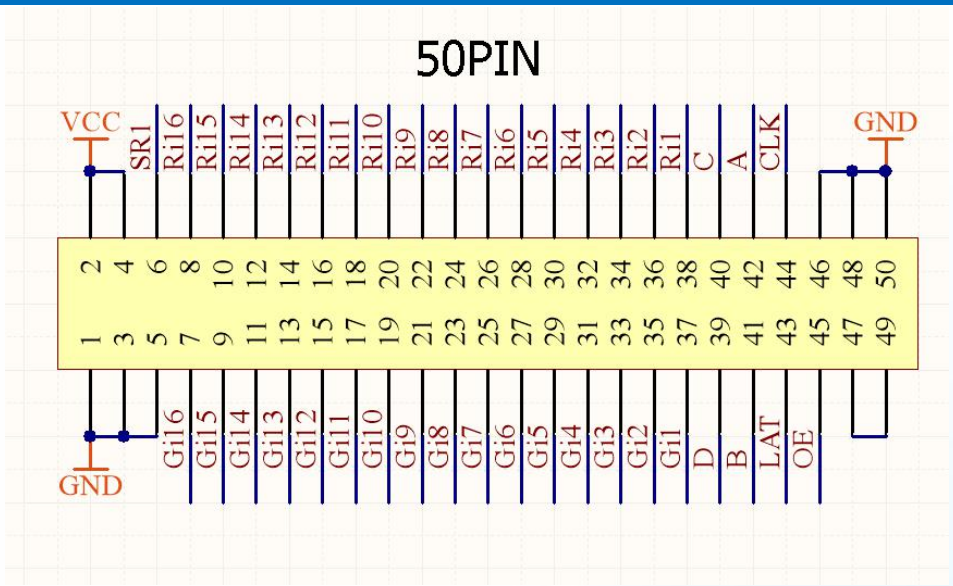
Application software：HD2020, LedArt.

2. Features

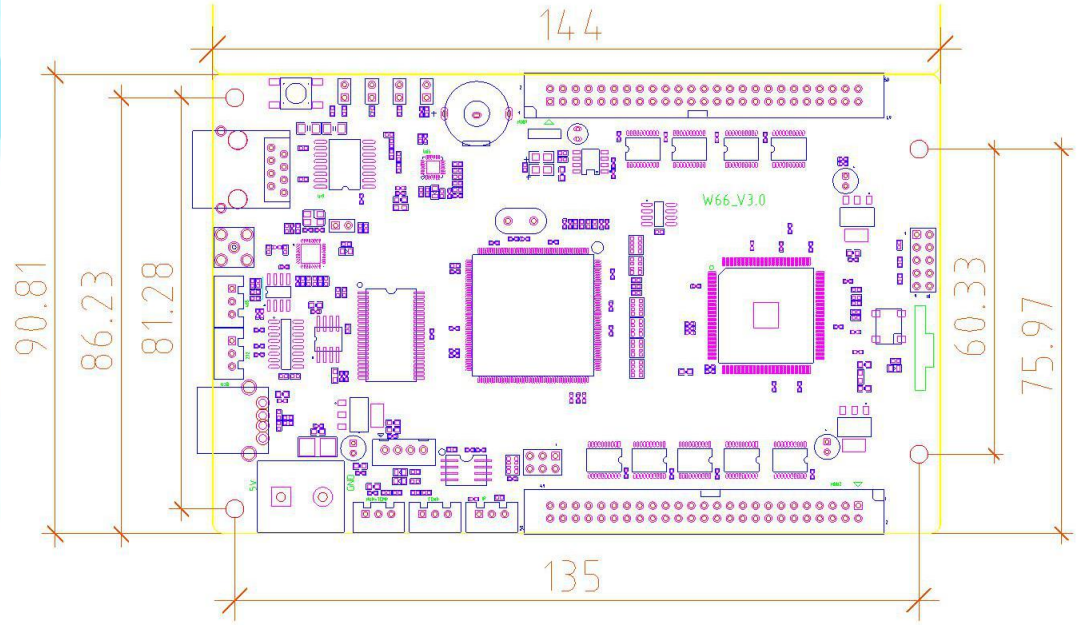
Content	Performance
Support module	Single Color/ Dual Color /Tricolor conventional scanning methods
Control range	Single color: 2048*512 Dual color: 1024*512
FLASH Capacity	4M Byte
Communication Port	U-Disk、Wi-Fi
Support Colorful	Full-color module can display red, green, blue, yellow, purple, green, white
Program Quantity	Max 1000pcs Programs. Can play by time section or control by buttons.
Area Quantity	20 areas with separate zone, and separated special effects and border
Display Showing	Text、Picture、3DText、Animation（SWF）、Excel、Timing、Temperatures（humidity）、Count、Lunar calendar
Display	Sequence display, button switch, remote control
Display effect	1、Text、Picture, Time, Timing 、Temperature or temperature and humidity (external module required) Display 2、Support program border, regional border settings, custom borders 3、A variety of action display

	4、More than 40 kinds of text effects display 5、Support for simple animations word 6、Support outline fonts, stroke fonts and other settings 7、Support for regional text background settings 8、Support Excel form directly adding
Clock function	1、Support Digital Clock/ Dial Clock / Lunar Time/ 2、Countdown /Count up, Button Countdown / Count up 3、The font、size、color and position can be set freely 4、Support multiple time zones
Extended Equipment	Temperatures、Humidity、IR Remoter、Photosensitive sensors、etc.
Automatic switch screen	Support timer switch machine
Dimming	Support three brightness adjustment mode

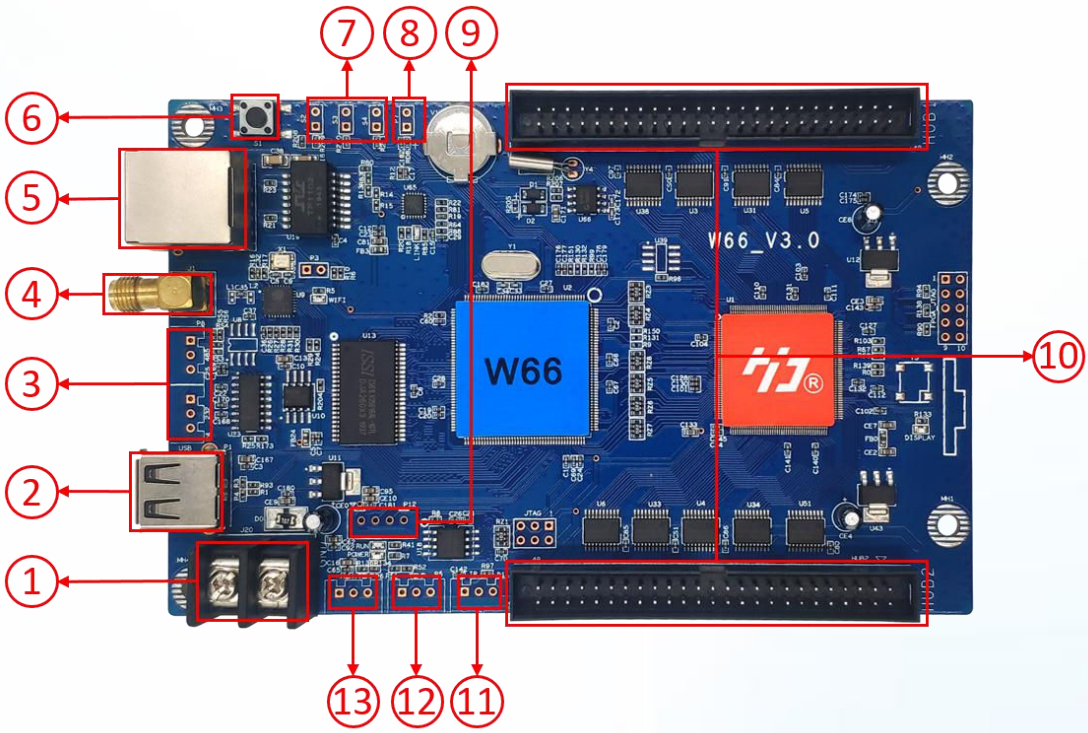
3. Port Definition



4. Setup Diagram



5. Appearance description



1. Power connector, connect 5V power supply
2. USB ports, Updated program by U-disk

3. Serial communication port
4. Connect the computer through Wi-Fi to send parameters and programs
5. LAN port, Connect the computer through Ethernet to send parameters and programs
6. Test button, click to switch screen test status
7. S2, Connect the point switch, switch to the next program, the timer starts, count plus.

   S3, Connect the point switch, switch the previous program, timer reset, count down.

   S4, Connect the point switch, program control, timing pause, count reset
8. P7，Connect the brightness sensor
9. P12, Connect the PM2.5 Sensor or GPS time correction module
10. 50*HUB, connect the display
11. Connect the IR, by remote control
12. P5，Connect the temperature/humidity sensor
13. Temperature and humidity port

6. Technical Parameters

	Minimum	Typical	Maximum
Rated voltage(V)	4.2	5.0	5.5
Storage temperature(℃)	-40	25	105
Work environment temperature(℃)	-40	25	80
Work environment humidity (%)	0.0	30	95
Net weight（kg）			
Certificate	CE, FCC, RoHS		

7. Precautions

1）To ensure that the control card is stored during normal operation, make sure the

battery on the control card is not loose;

2）In order to ensure the long-term stable operation of the system; please try to use the standard 5V power supply voltage.