灰度科技
HUIDU TECHNOLOGY

PRODUCT SPECIFICATION

Single-dual Color LED Wi-Fi Control Card

HD-W66

V7.0

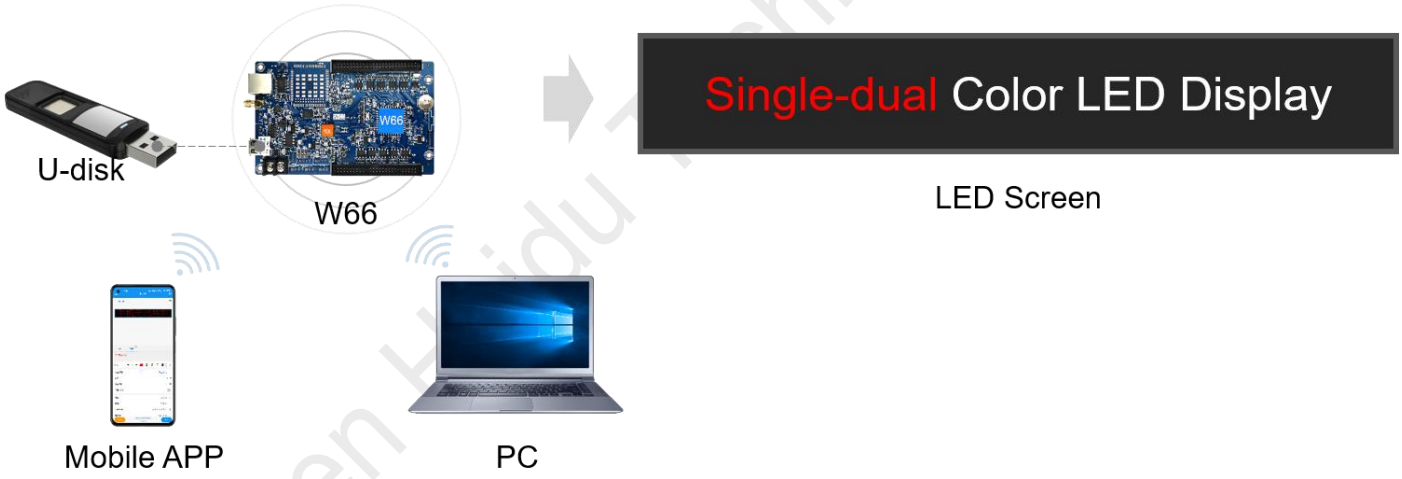
1. Overview

HD-W66 (referred to as W66) is a single/Dual color Wi-Fi control card for LED display for door header, store sign and other occasions, which can display text, clock, counting, timing and other kinds of contents, and support cell phone wireless connection to update the program. At the same time also comes standard with a USB interface for updating programs or debugging parameters via USB flash drive. Supporting software interface is simple, easy to operate, and at the same time has high cost-effective and so on.

Application Software:
PC: HDSign (HD2020);
Mobile: "LedArt APP" and “LedArt lite APP”.

2. Connection Diagram

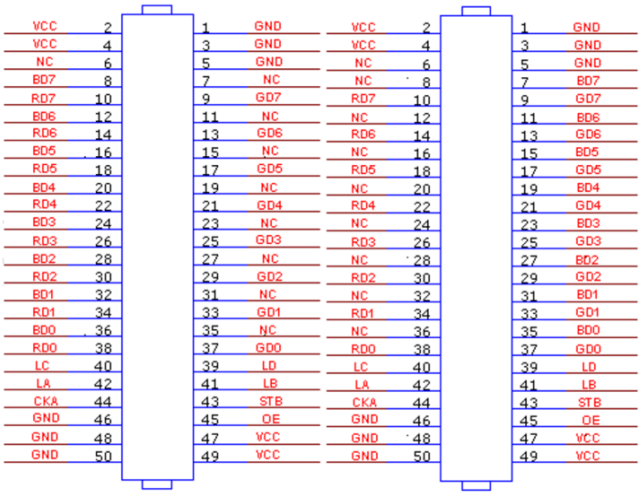
After the Wi-Fi control card is powered on, cell phones and laptops can connect to the control card's Wi-Fi hotspot for debugging or updating programs,and can also update programs via U-disk.



3. Function List

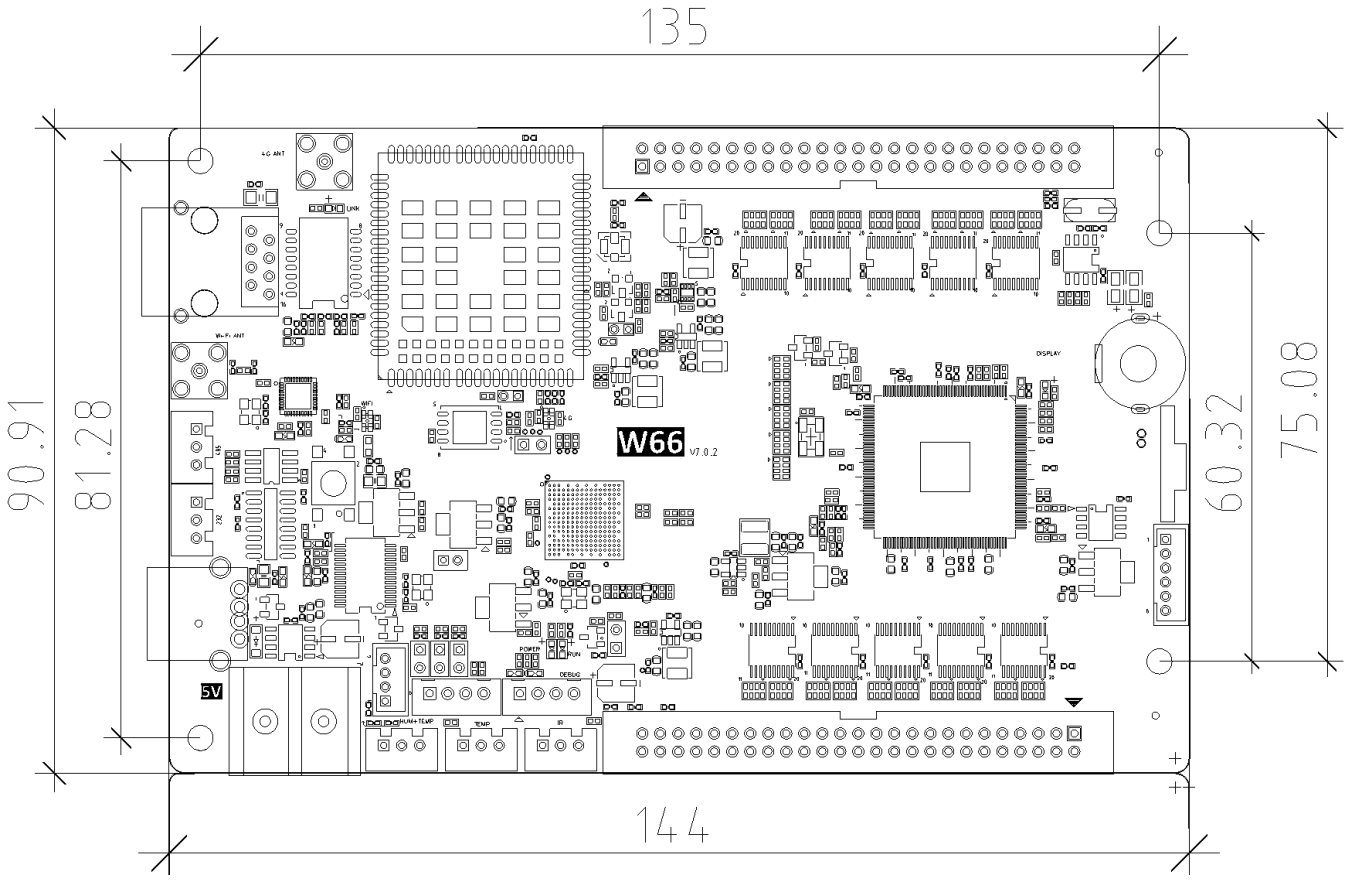
Content	Function description
Control range	Single color:2048* 512,Max Width:8192; Max Height:512； Dual color:1024*512 Full 1344*256
FLASH Capacity	8M Byte（Practical usage 7.5M Byte）
Communication	U-disk, Wi-Fi, LAN, serial port（RS232,RS485）
Program Quantity	Max 1000pcs Programs.
Area Quantity	20 areas with separate zone, and separated special effects and border
Display Showing	Text, Animated characters, 3D characters, Graphics (pictures, SWF), Excel, Time, Temperature (temperature and humidity), Timing, Counting, Lunar calendar
Display	Sequence display, button switch, remote control
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
Expandable Devices	Temperature, humidity, remote control and light sensitivity sensors
Automatic Switch Screen	Support timer switch machine
Dimming	Supports three brightness adjustment modes: manual adjustment, automatic adjustment, adjustment by time period
Working Power	3W

4. Port Definition

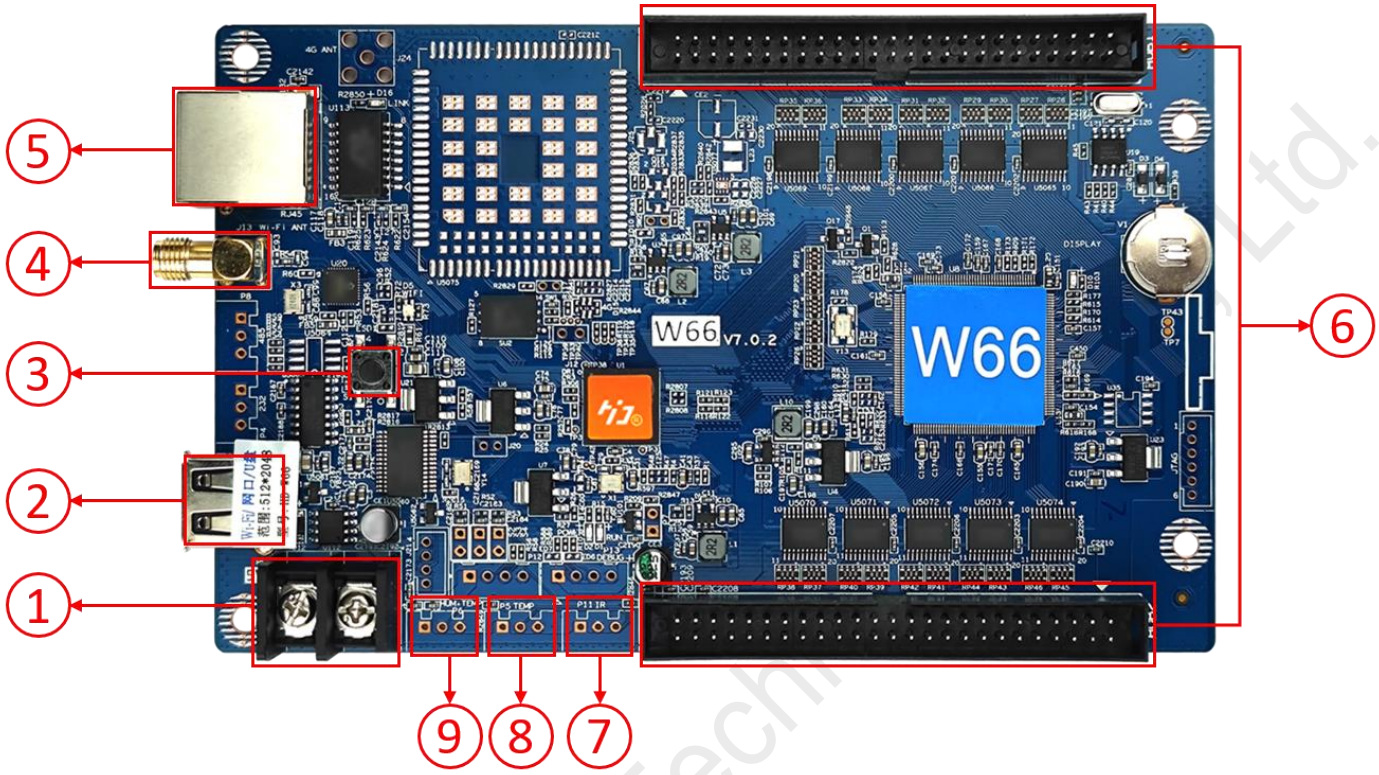


General Full Color Port1 General Full Color Port 2

5. Size Diagram



6. Interface Description



Serial number	Name	Description
1	Power inport	Connect to a 5V DC power supply
2	USB ports	Updated program by U-disk
3	Test key	Test display module
4	Wi-Fi port	Connect external antenna connector to enhance Wi-Fi signal
5	Network port	Connect the network cable for debugging or sending programs
6	HUB ports	Universal HUB interface, install HUB adapter board, connect LED display module
7	P11	Connect the IR, by remote control.
8	P5	Connect the temperature/humidity sensor, display of the value on the LED screen
9	P6	Connection of temperature/humidity sensor, display on LED screen

7. Basic Parameters

Parameter Term	Parameter Value
Work voltage（V）	DC 4.2V-5.5V
Work temperature（℃）	-40℃~80℃
Work humidity（RH）	0~95%RH
Storage temperature(℃)	-40℃~105℃

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.