PRODUCT SPECIFICATION

Colorful LED Control Card

HD-WF2

V7.1

1. Overview

HD-WF2 (referred to as WF2) is a Wi-Fi control card for dazzle display, with 2 HUB75E interface on board, which supports playing text, animated words, GIF animation, timing and other kinds of programs, and supports two ways of updating the programs, Wi-Fi and U-disk, and it is suitable for door displays, store signboards and other occasions. The supporting software has a simple interface, easy to operate, and is characterized by high cost performance.
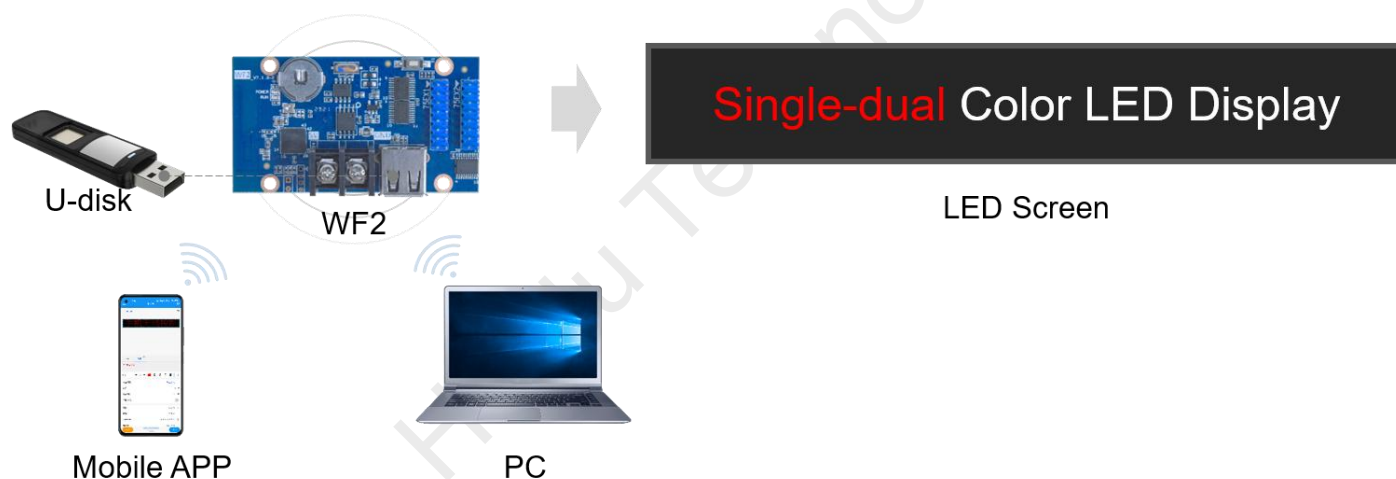
Application Software:
PC: HDSign (HD2020);
Mobile: "LedArt APP" and "LedArt lite APP".

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.
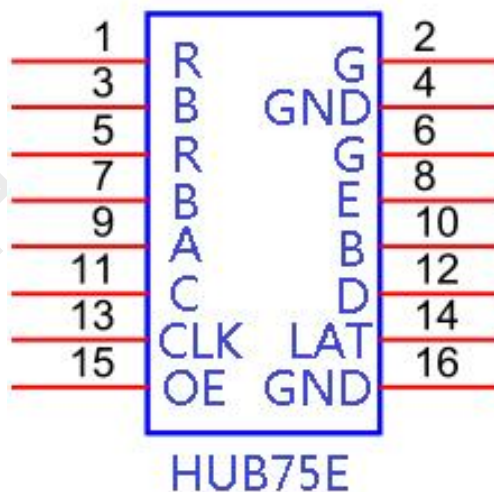

U-disk

WF2

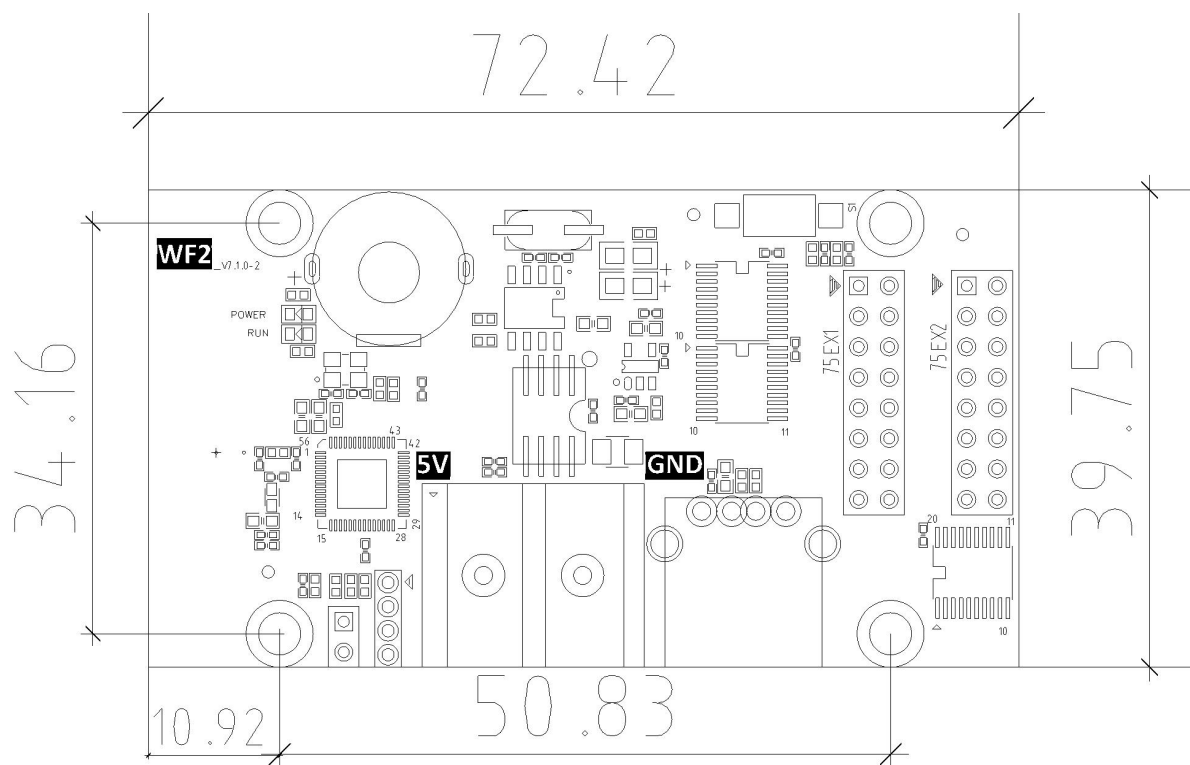Single-dual Color LED Display

LED Screen

Mobile APP

PC

3. Function List

Content	Function description
Module Type	Supports full color module with HUB75 interface, supports regular and 2038S chip

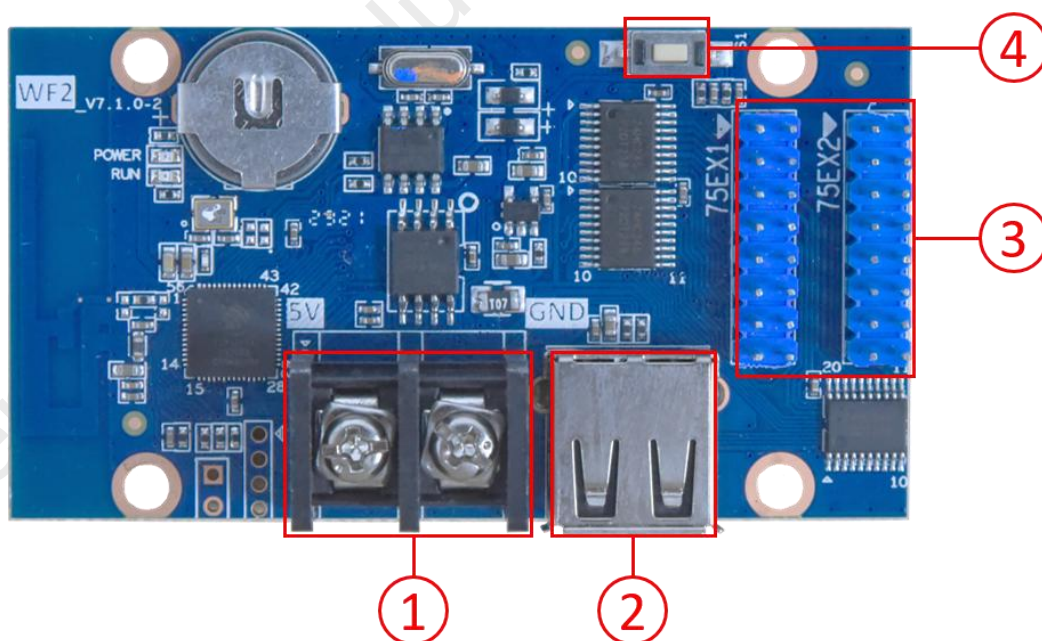| Scanning Method	Supports static to 1/32 sweep
Control Range	768*64,Max Width:1280 Max Height:128
Communication	U-disk, Wi-Fi
FLASH Capacity	8M Byte（Practical usage 4.5M Byte)
Support Seven Colors	No gray scale can display red, green, blue, yellow, purple, cyan, white
Support Full Color	Up to 8 levels of grayscale, support dazzling color text
Number of Programs	999
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
Automatic Switch Screen	Support timer switch machine
Dimming	Brightness adjustment, adjustment by time period
Power Supply Method	Standard terminal block power supply

4. Port Definition

HUB75E

5. Size Diagram

6. Interface Description

https://www.hdwell.com

Serial number	Name	Description
1	Power inport	Connect to a 5V DC power supply
2	USB ports	Updated program by U-disk
3	HUB ports	2 * HUB75, connect LED display module
4	S1	For test display, multiple status selection

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.