

Product Specification

Single color Wi-Fi control card

HD-W64A

V6.0.1 20210601

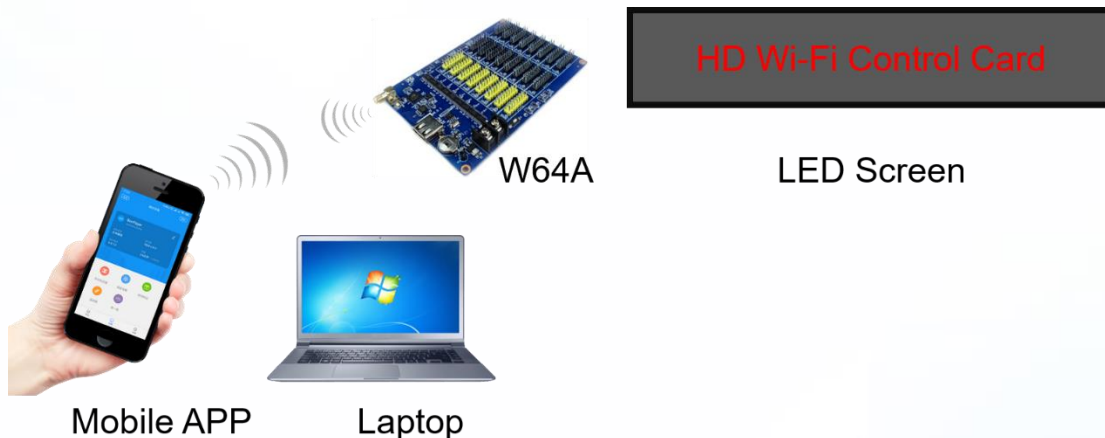
1. Overview

W64A is a control card with WiFi and USB port, widely applied in LED banner screen, store signboard, bank announcement screen community information publicity screens and other occasions. It can update the display program through Wi-Fi mobile APP LedArt or U-disk. High cost-effective, simple software interface, convenient operation, rich display effects, high performance, supports various single and dual color LED displays with HUB12 port or HUB08 port.

Operating software: HD2018/HD2020 and mobile APP LedArt.

2. Working Diagram of Wi-Fi Communication

After Wi-Fi controls the card, mobile phones and laptops can connect to the Wi-Fi hotspot of the control card to debug or update programs.



3. Main Features

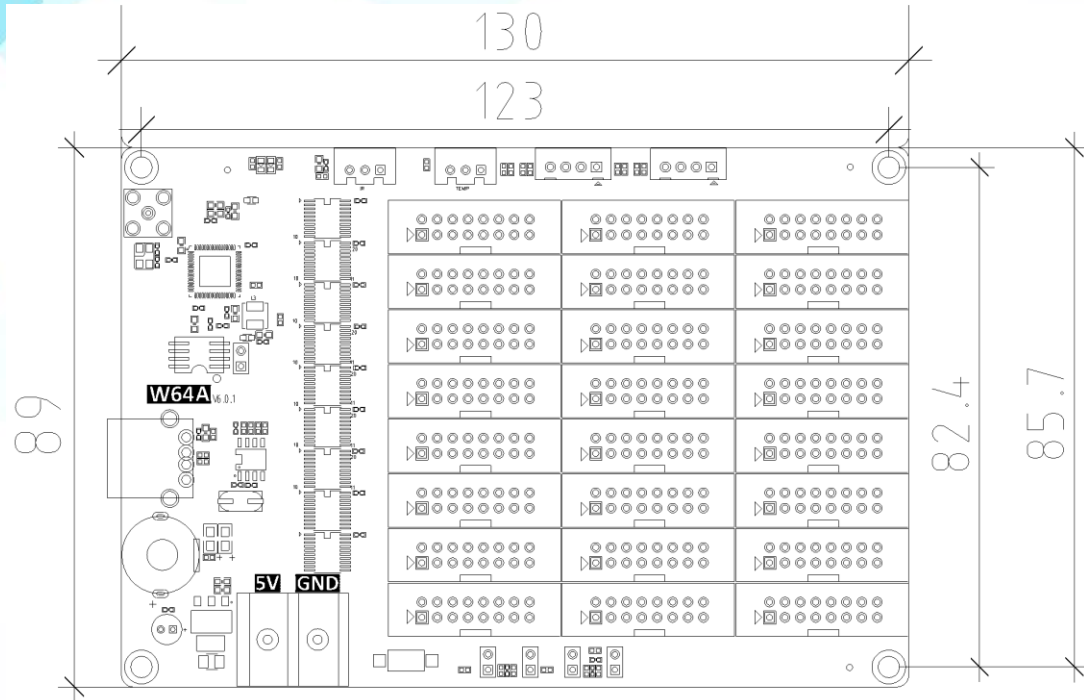
1. 16 groups of HUB12 ports and 8 groups of HUB08 ports.
2. Supports border function of program and area, also special borders.
3. Supports various text effects for meet most application scenarios.
4. Supports font hollow, stroke and other designs.

5. Supports up to 20 areas of program content, free layout.
6. Supports external sensors such as temperature, humidity, brightness, IR remote, PM2.5/PM10, etc.
7. Support multiple displays such as animated characters, colorful characters, animated backgrounds, etc.

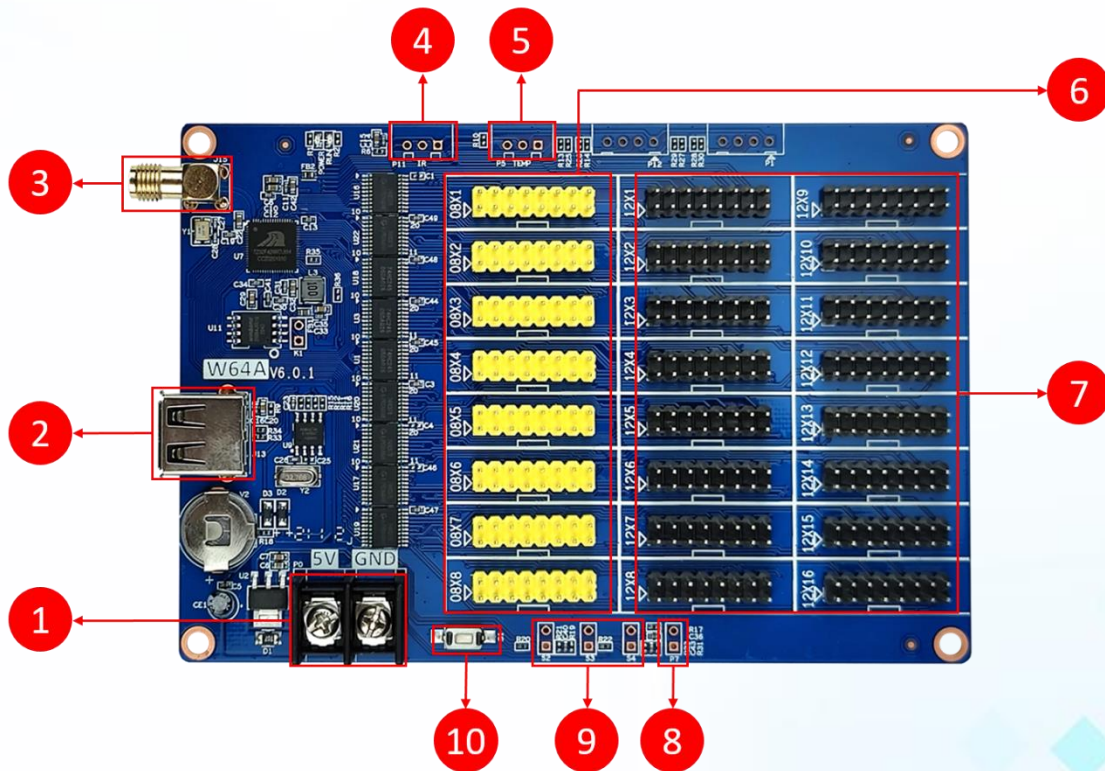
4. Function Sheet

Loading capacity	Single color: 1024W*256H, (widest 4096, highest 256 pixels)
FLASH capacity	8M Byte
Communication method	Wi-Fi (20 to 35 meters without wall)、U-disk
Programs quantity	1000
Area Quantity	Support MAX 20 areas with separate zone, and separated special effects and border.
Program contents	Support running text, time, count, digit, animation, temperature and humidity, excel, traditional Chinese calendar, offline weather.
Play mode	Play in order, switch by button, switch by IR remote.
Clock function	<ol style="list-style-type: none"> 1. Support perpetual calendar, analog clock, lunar calendar 2. Counting up and down display 3. The font, font size, color, position, etc. can be set arbitrarily 4. Support multi-time zone display
Extended Equipment	Temperature, humidity, IR remote, brightness, PM2.5/PM10 etc. sensors
Screen on/off	Support screen on/off by time automatically
Brightness adjustment	Support 3 modes: adjust by hand, adjust by sensor automatically, adjust by time automatically.
Product power	3W

5. Dimension parameter for installation

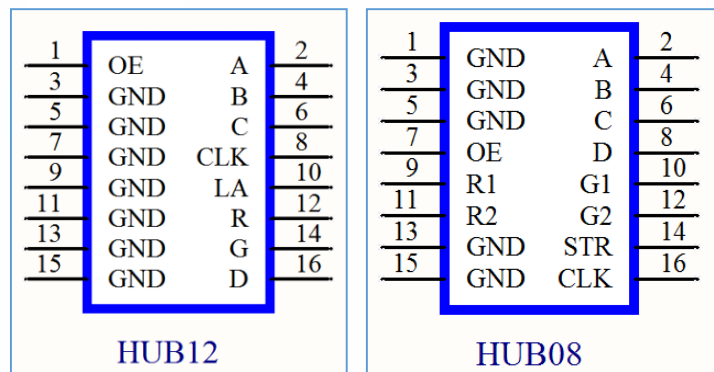


6. Interface Description



- ① Power supply connector, to connect 5V power supply.
- ② USB port, to update program content and settings by U-disk
- ③ Wi-Fi antenna port: used to connect with Wi-Fi external antenna.
- ④ IR remote connector, to connect IR remote sensor.
- ⑤ P5, to connect temperature / humidity sensor.
- ⑥ HUB08 port, to connect LED display with HUB08 port.
- ⑦ HUB12 port, to connect LED display with HUB12 port.
- ⑧ P7, to connect brightness sensor, adjust brightness automatically.
- ⑨ S2/S3/S4 switch ports: S2 can be set as a button for next program, timer starts or count plus; S3 can be set as a button for previous program, timer reset or count down; S4 can be set as a button for program control, time pause, count reset.
- ⑩ Test button, to test LED module.

7. HUB12/HUB08 interface definition



8. Technical parameters

	Minimum	Typical value	Maximum
Rated voltage(V)	4.2	5.0	5.5
Storage temperature (°C)	-40	25	105
Working environment	-40	25	80

temperature (°C)			
Working environment humidity (%)	0.0	30	95
Product net weight (kg)			
Product certificate	CE、FCC、RoHS		

9. Precautions

- To ensure that the control card is stored during normal operation, make sure the battery on the control card is not loose.
- In order to ensure the long-term stable operation of the system, please try to use the standard 5V power supply voltage.