

Product Specifications

Single Color Wi-Fi Control Card

HD-W3

V7.0

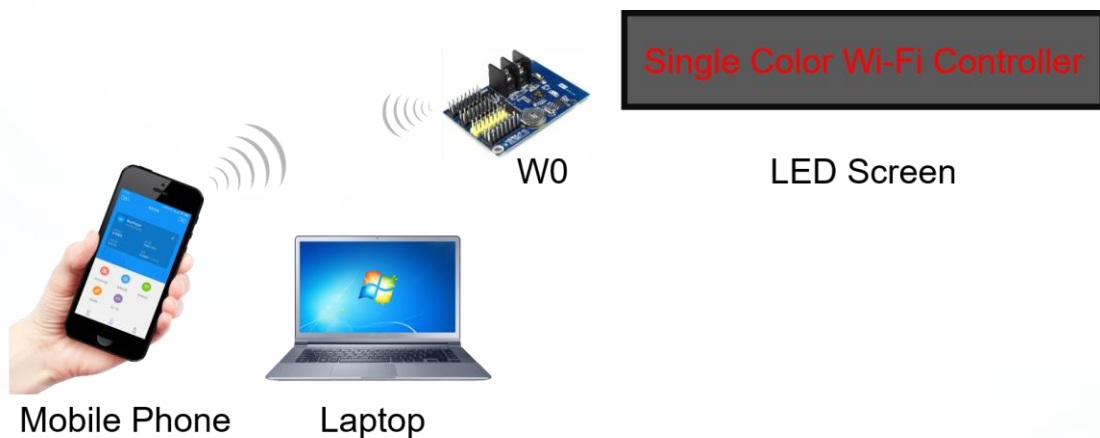
1. Overview

W3 is a low cost, high cost-effective single color Wi-Fi controller, easy to operate, better display information, supports variety kinds of single-color display. For the door lintel screen, store screen and other places information display.

Application software: HD2020 and LedArt (APP)

2. Connection Demo

The mobile phone and laptop can be connected to the Wi-Fi hotspot of the control card to update the program.



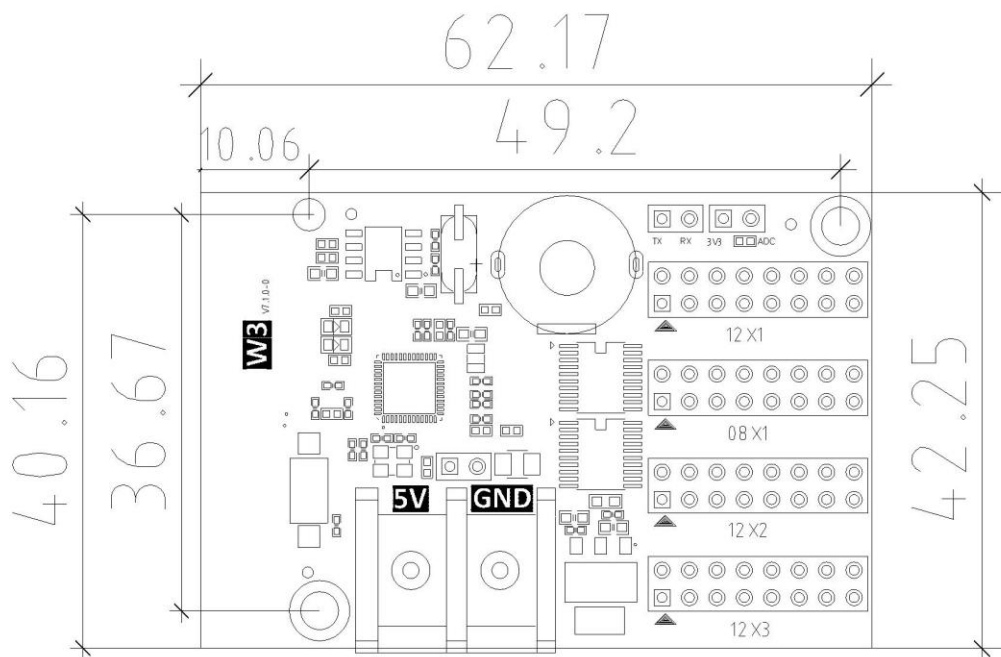
3. Product Features

1. Wi-Fi on board, Eliminate installation trouble
2. Support program border, regional border settings, custom borders
3. A variety of action display
4. Support for simple animations word
5. More than 20 kinds of text effects display

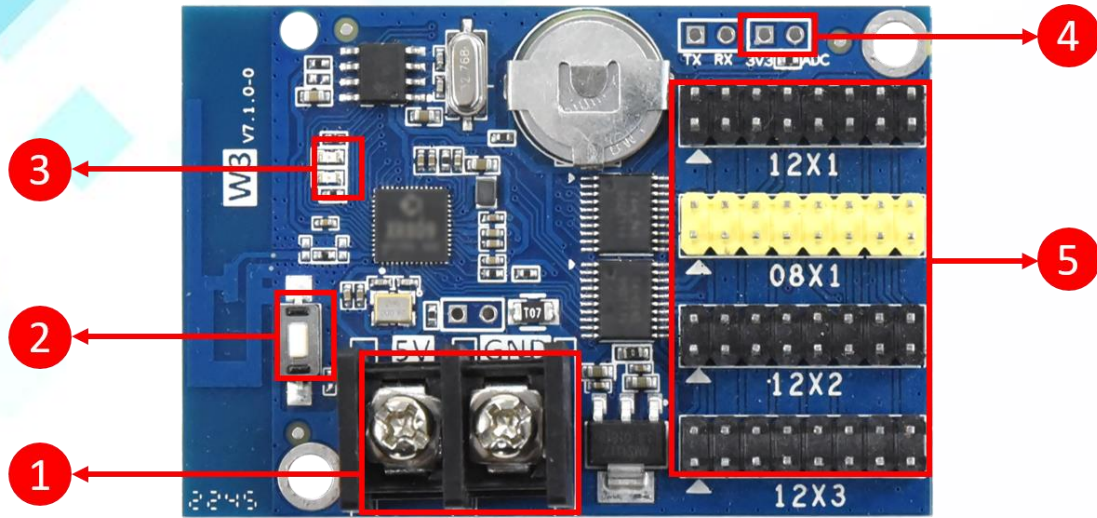
4. Functions List

| | |
|-------------------------|--|
| Control range | Single-color: 1280*32, 1024*48, Dual-color: 512*32 |
| FLASH Capacity | 1M Byte |
| communication | Wi-Fi |
| Program Quantity | 1000 |
| Area Quantity | 20areas with separate zone, and separated special effects and border |
| Display Showing | Text, timing, Count, Lunar calendar |
| Display | Sequence display |
| Clock Function | 1.Support Digital Clock, Dial Clock, Lunar Time 2.The Font, size, color and position can be set freely 3.Support multiple time zones |
| Extended Equipment | Photosensitive sensor |
| Automatic Switch screen | Support timer switch machine |
| Dimming | Support three brightness adjustment mode |
| Power | 3W |

5. Dimension Chart



6. Interface Description



- ① Power connector, Connect 5V power supply.
- ② Test button, Click to switch screen test status.
- ③ Indicator: The power on indicator is on and the Wi-Fi working indicator is blinking.
- ④ Sensor interface: Connect brightness sensor.
- ⑤ HUB12 (Black color) & HUB08 (Yellow color): Connect the display.

7. HUB12 port Definition

| | | | |
|----|-----|-----|----|
| 1 | OE | A | 2 |
| 3 | GND | B | 4 |
| 5 | GND | C | 6 |
| 7 | GND | CLK | 8 |
| 9 | GND | LA | 10 |
| 11 | GND | R | 12 |
| 13 | GND | G | 14 |
| 15 | GND | D | 16 |

HUB12

| | | | |
|----|-----|-----|----|
| 1 | GND | A | 2 |
| 3 | GND | B | 4 |
| 5 | GND | C | 6 |
| 7 | OE | D | 8 |
| 9 | R1 | G1 | 10 |
| 11 | R2 | G2 | 12 |
| 13 | GND | STR | 14 |
| 15 | GND | CLK | 16 |

HUB08

8. Basic Parameters

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

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