

Product specifications

Single dual color LED display controller
HD-U64A

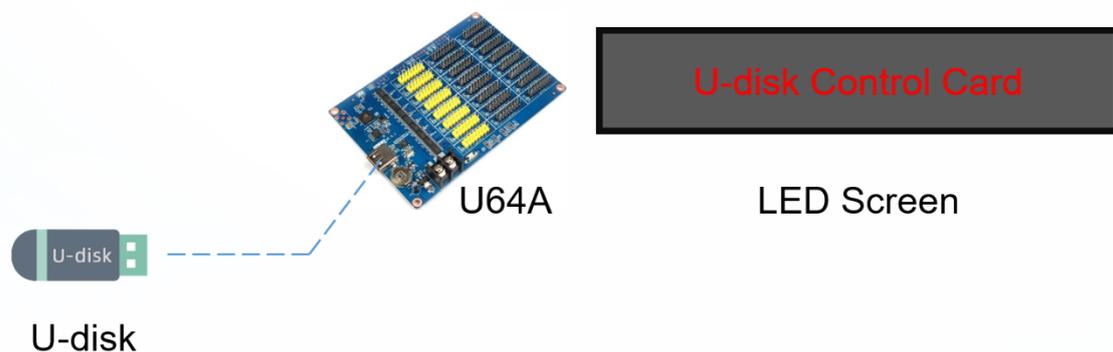
V6.0.1 20210709

1. Overview

HD-U64A is a control card with USB port for door banner screens, store signboards, bank announcement screens, community information publicity screens and other occasions. It can update the display program through 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: Huidu Technology sixth-generation display operating software HD2018/HD2020.

2. Working Diagram of updating program



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,

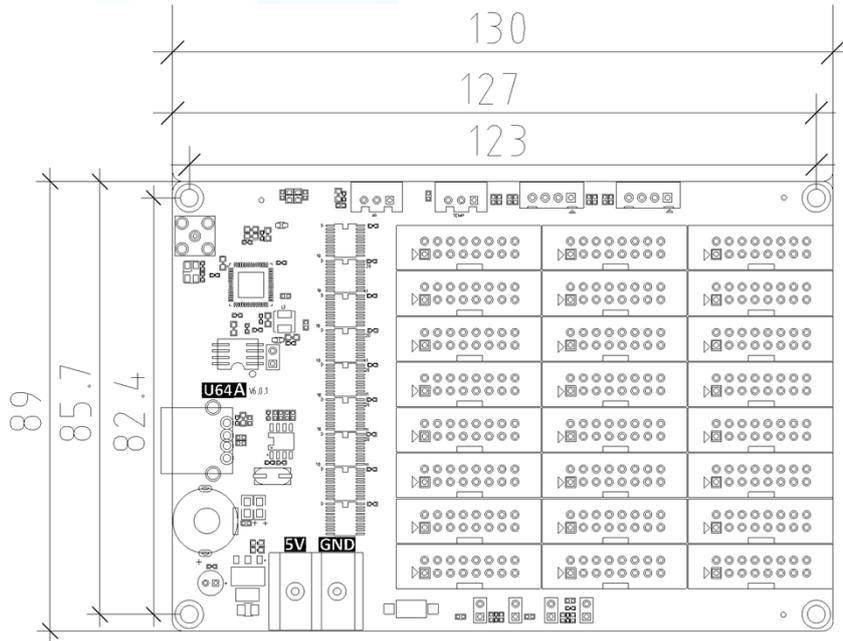
IR remote, PM2.5/PM10, etc.

- 7) Support multiple displays such as animated characters, colorful characters, animated backgrounds, etc.

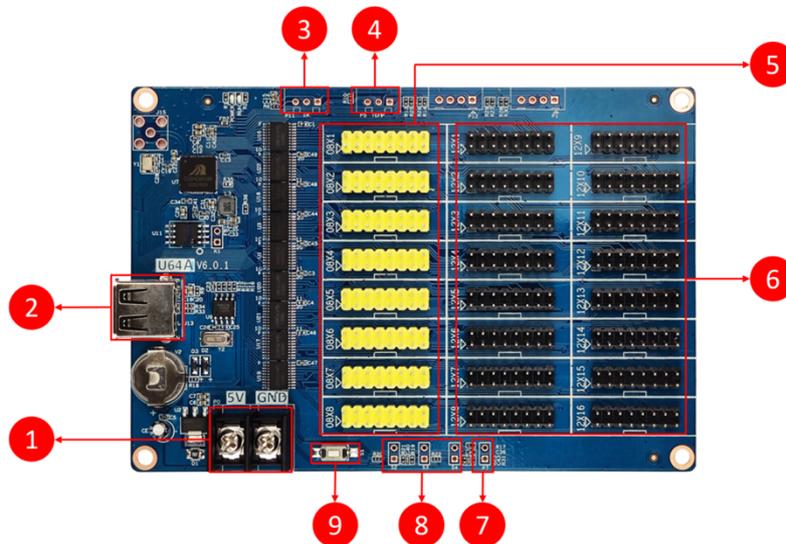
4. Feature sheet

| Functions | Features |
|-----------------------|--|
| Loading capacity | Single color: 512W*256H, (widest 3072, highest 256 pixels) |
| FLASH capacity | 8M Byte |
| Communication method | U-disk |
| Programs quantity | Support MAX 1000pcs Programs |
| 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



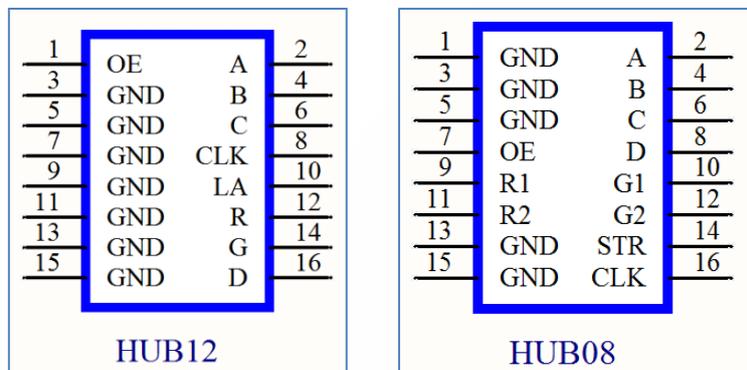
6. Interface Description



- ① Power supply connector, to connect 5V power supply.
- ② USB port, to update program content and settings by U-disk.
- ③ IR remote connector, to connect IR remote sensor.
- ④ P5, to connect temperature / humidity sensor.

- ⑤ HUB08 port, to connect LED display with HUB08 port.
- ⑥ HUB12 port, to connect LED display with HUB12 port.
- ⑦ P7, to connect brightness sensor, adjust brightness automatically.
- ⑧ 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.
- ⑨ Test button, to test LED module.

7. HUB08/HUB12 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 temperature (°C) | -40 | 25 | 80 |
| 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.