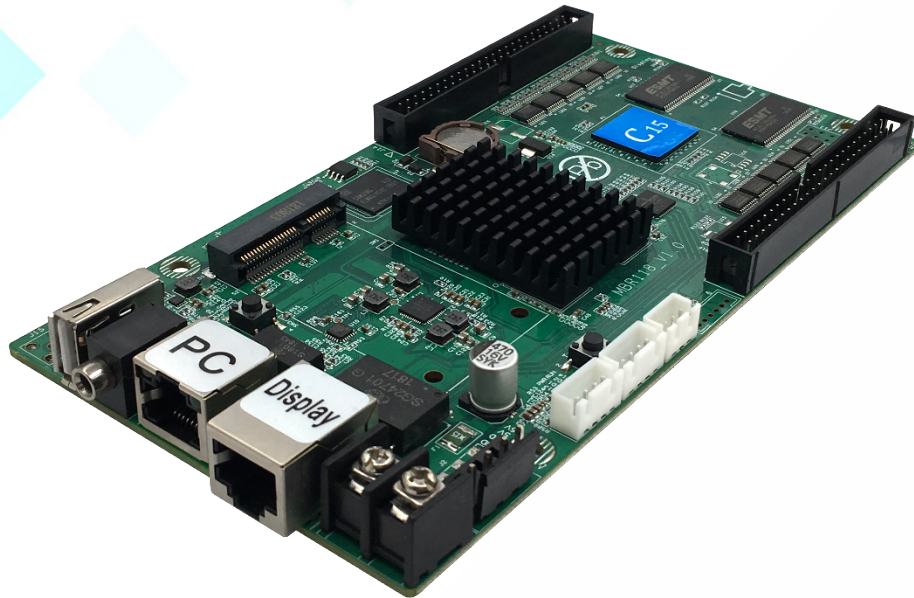




# Product Specifications

Full Color Asynchronous Control Card

**HD-C15**

V1.0 20190508

## 1. System Overview

HD-C15 Full Color Asynchronous Controller System is a LED control system that supports mobile APP control, Web remote control and offline play HD Video.

Support computer control software *HDPlayer*, mobile phone control software *LedArt* and *HD Cloud Platform*.

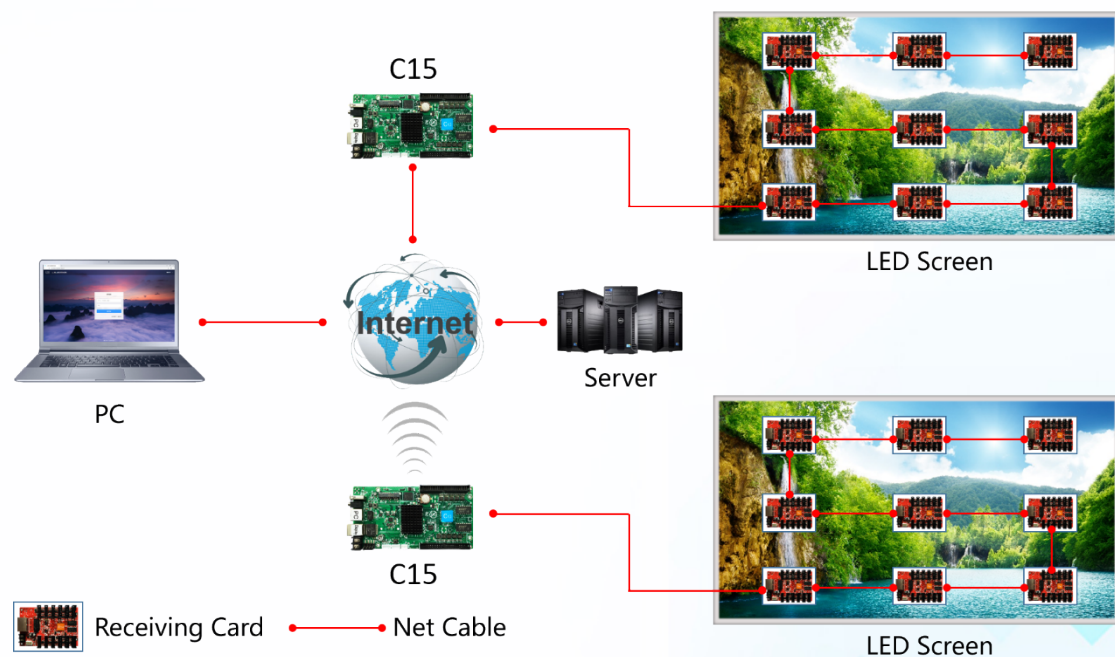
HD-C15 integrated sending card and receiving card function, can single cassette with small screen, can also add HD-R series receiving card control bigger screen.

### Controlling System Configuration

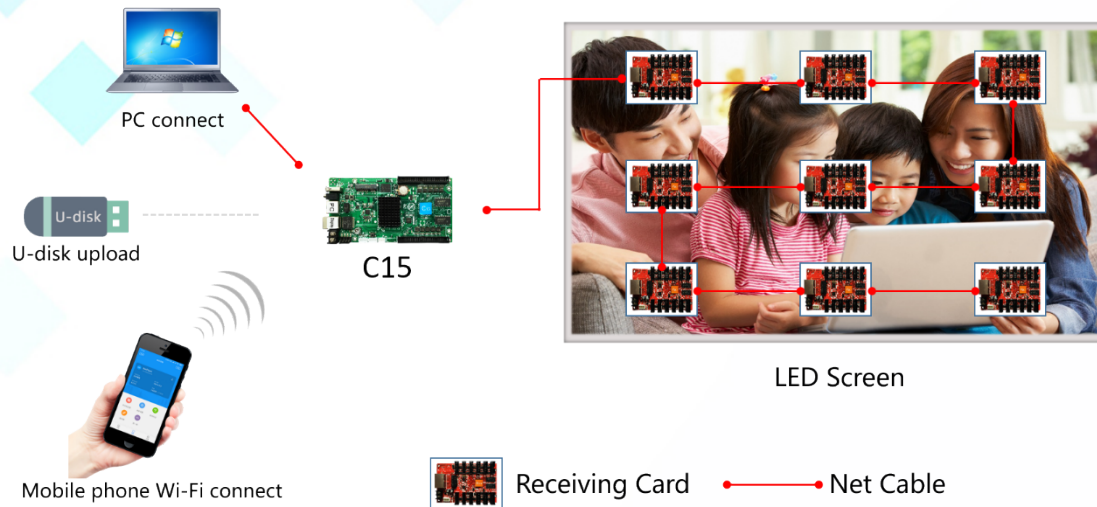
| Product               | Type     | Functions                                                                                        |
|-----------------------|----------|--------------------------------------------------------------------------------------------------|
| Async controller Card | HD-C15   | Asynchronous core control panel, with storage capabilities, can be connected to the screen body. |
| Receiving Card        | R Series | Connected with screen, Showing program in Screen.                                                |
| Control Software      | HDPlayer | Screen parameters setting, edit & send program etc.                                              |

## 2. Control Mode

- Internet unified management: The play box can be connected to the Internet through 4G (optional), network cable connection, or Wi-Fi Bridge.



2. Asynchronous one-to-one control: Update programs by network cable connections, Wi-Fi connections or USB flash drives. LAN (cluster) control can access the LAN network through by network cable connection or Wi-Fi Bridge.



### 3. Product Features

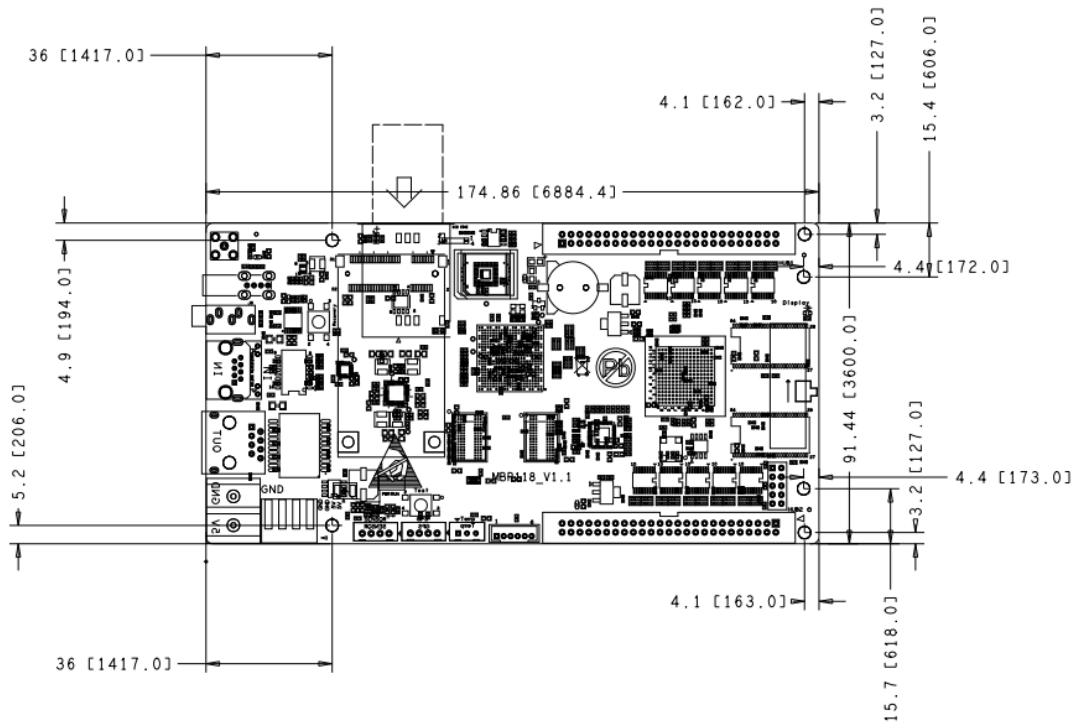
- Control Range: 122,880 pixels.
- 4GB memory, support expanding memory by U-disk.
- Support HD video hardware decoding, 60Hz frame rate output.
- Support widest 1024 pixel, Highest 512.
- No need set IP address, it could be identified by controller ID automatically.
- Unified management of more LED display through Internet or LAN.
- Support Wi-Fi connection, Mobile APP management.
- Equipped 3.5mm standard audio interface output.
- Support 4G connect to Internet (Optional).
- Equipped with 2 lines 50PIN HUB, can be used for one receiving card.

## 4. System Function List

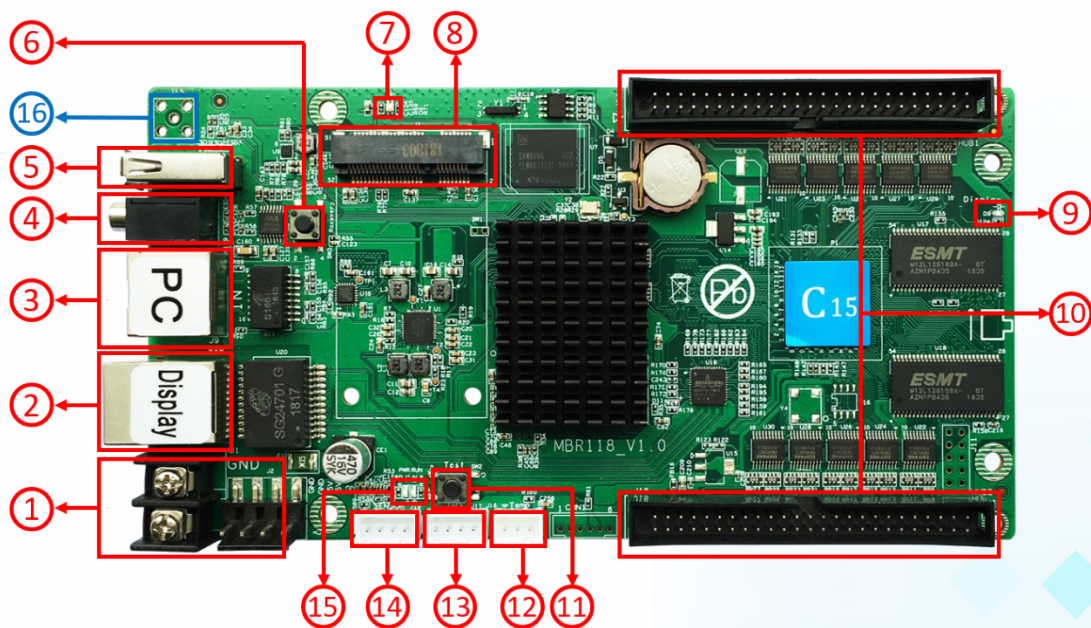
|                     |                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Module type         | Compatible with indoor and outdoor full color and single color module<br>Support conventional chip and mainstream PWM chip                                                                                     |
| Scan Mode           | Static to 1/64 scan mode                                                                                                                                                                                       |
| Control Range       | 122,880 pixels (384*320), widest 1024, highest 512                                                                                                                                                             |
| Gray Scale          | 256-65536                                                                                                                                                                                                      |
| Basic functions     | Video, Pictures, Gif, Text, office, Clocks, Timing etc.<br>Remote, Temperature, Humidity, Brightness etc.                                                                                                      |
| Video format        | Support 1080P HD video hardware decoding, direct transmission, without transcoding waiting.<br>60Hz frame frequency output;<br>AVI, WMV, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc. |
| Image Format        | Support BMP,GIF,JPG,PNG,PBM,PGM,PPM,XPM,XBM etc.                                                                                                                                                               |
| Text                | Text editing, Image, Word, Txt, Rtf, Html etc.                                                                                                                                                                 |
| Document            | DOC, DOCX, XLSX, XLS, PPT, PPTX etc.Office2007Document format.                                                                                                                                                 |
| Time                | Classic Analog clock, digital clock and of clock with image background.                                                                                                                                        |
| Audio output        | Double track stereo audio output.                                                                                                                                                                              |
| Memory              | 4GB Flash memory; Indefinite expanding of U-disk memory.                                                                                                                                                       |
| Communication       | 100M RJ45 Ethernet, 4G (Internet), Wi-Fi, USB, LAN.                                                                                                                                                            |
| Working Temperature | -20°C-80°C                                                                                                                                                                                                     |
| Port                | IN:5V DC*1, 100 Mbps RJ45*1, USB 2.0*1, test button*1<br>OUT:1Gbps RJ45*1, AUDIO*1                                                                                                                             |
| Power               | 8W                                                                                                                                                                                                             |

## 5. Dimension Chart

HD- C15 dimension chart follow:



## 6. Interface Description

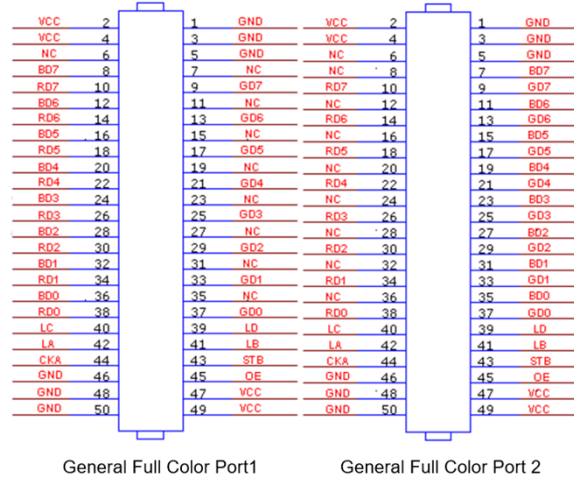


1. Power Supply port: connected 5V DC power supply.
2. Output network port: 1Gbps network port, connect to receiving card.
3. Input Network port: Connect to PC or router.
4. Audio output port: support standard two-track stereo output.
5. USB port: connected to USB device, e.g. U-disk, Mobile hard disk etc.
6. Recovery button: Reply to default parameters.
7. Wi-Fi and 4G module indicator light: Wi-Fi and 4G module work state.
8. Mini PCIE port: connected Wi-Fi or 4G module (Optional).
9. Display indicator light: working status is Flicking.
10. HUB75E port: connected to LED modules.
11. Test button: LED screen burn-in test.
12. Temp port: connected temp sensor.
13. GPS port: connected GPS module.
14. Sensor port: connected S108 and S208 sensor.
15. Controller work state indicator light: D1 is Power lamp, D2 is RUN lamp.
16. Antenna connector socket: weld antenna socket of Wi-Fi or 4G (Optional).

Note: Due to the modular design of some accessories of the control card, it is optional to install according to the functions required by the user. It may be normal for the actual product and the specification picture to be different (such as 8 and 16)。

## 7. Interface definition

Onboard 2 50PIN HUB port



## 8. Basic Parameters

|                                         | Minimum       | Typical | Maximum |
|-----------------------------------------|---------------|---------|---------|
| <b>Rated voltage(V)</b>                 | 4.2           | 5.0     | 5.5     |
| <b>Storage temperature(°C)</b>          | -40           | 25      | 105     |
| <b>Work environment temperature(°C)</b> | -40           | 25      | 80      |
| <b>Work environment humidity (%)</b>    | 0.0           | 30      | 95      |
| <b>Net weight (kg)</b>                  | 0.117         |         |         |
| <b>Certificate</b>                      | CE, FCC, RoHS |         |         |

### Precaution

- 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.