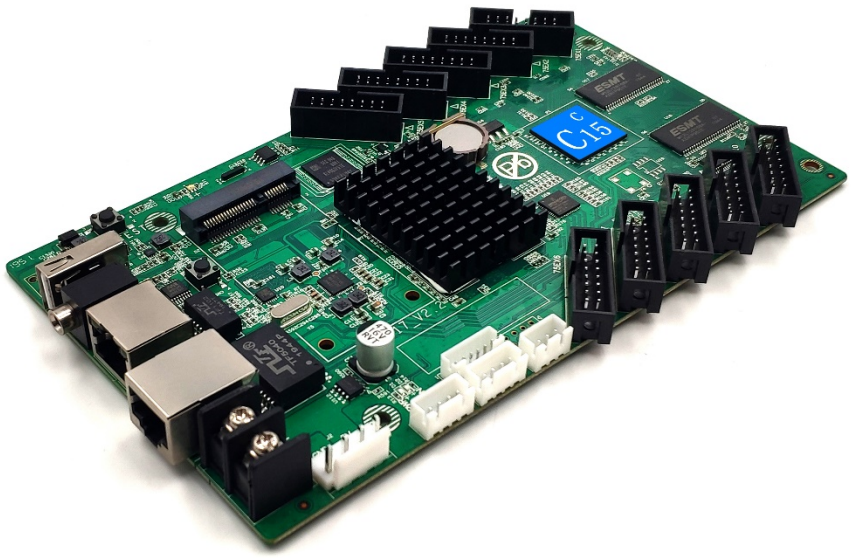


Product Specifications

Full Color Asynchronous Control Card

HD-C15C

V2.2 20200630

1. System Overview

HD-C15C 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*.

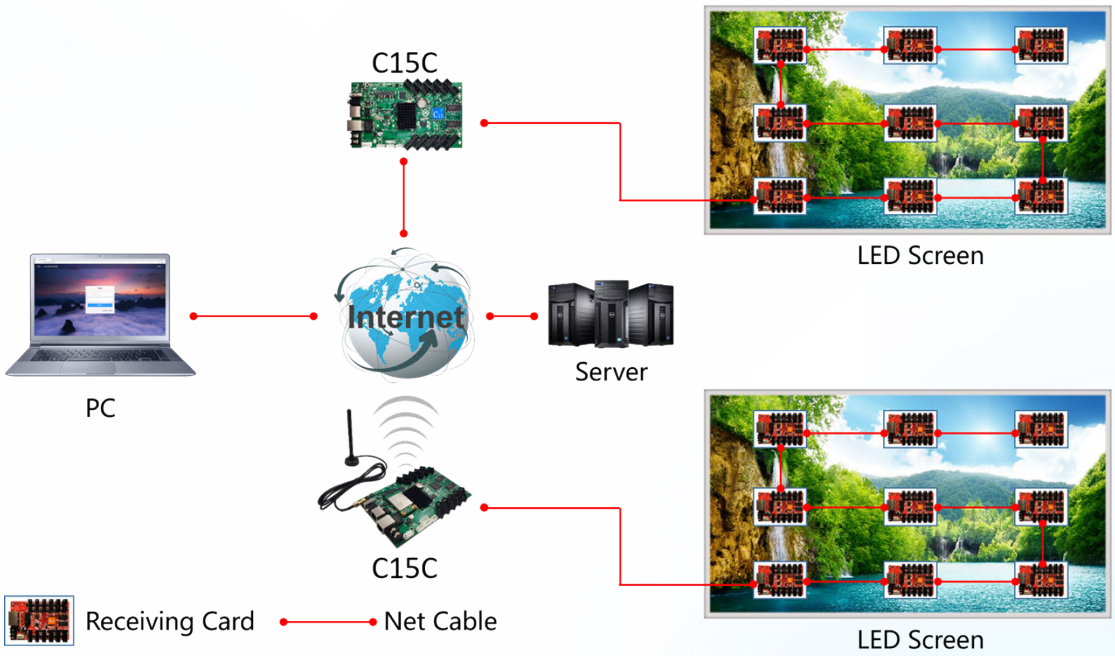
HD-C15C integrated sending card and receiving card function, can single cassette with small screen, can also add HD-R series receiving card control bigger screen.

Controlling System Configuration

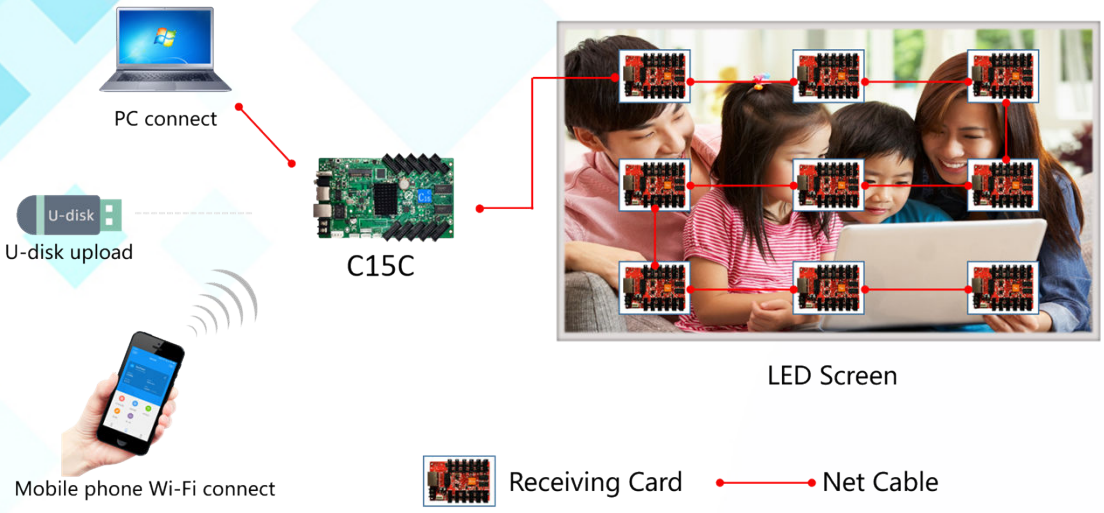
Product	Type	Functions
Async controller Card	HD-C15C	Asynchronous core control panel, with storage capabilities, can be connected to the screen modules, with 10 lines HUB75E port.
Receiving Card	R Series	Connected with screen, Showing program in Screen.
Control Software	HDPlayer	Screen parameters setting, edit & send program etc.

2. Control Mode

1. 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

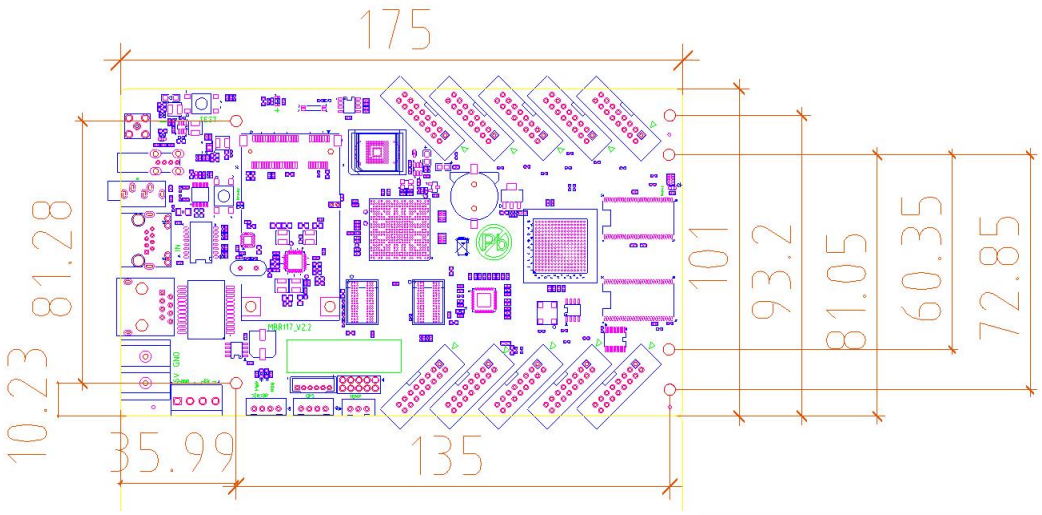
- Control Range: 122,880 pixels.
- 4GB memory, support expending memory by U-disk.
- Support HD video hardware decoding, 60Hz frame rate output.
- Support widest 1024 pixel, Highest 512.
- No need set IP address, it could be identified by controller ID automatically.
- Unified management of more LED 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 10 lines HUB75E port, can be used for one receiving card.

4. System Function List

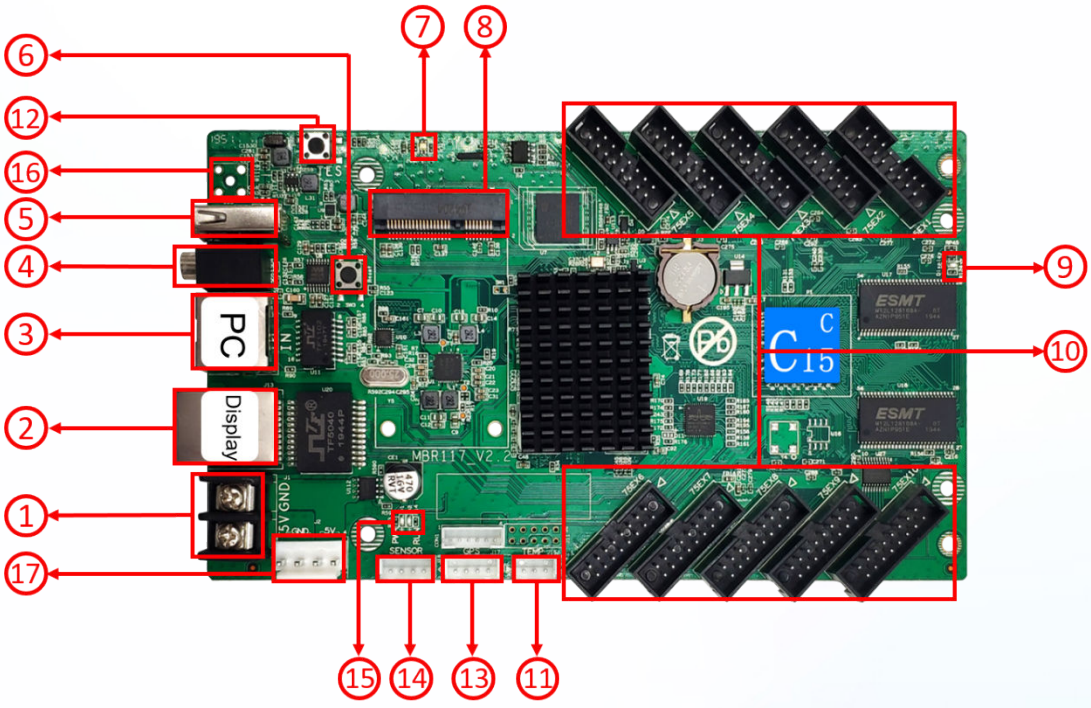
Module type	Compatible with indoor and outdoor full color and single color module Support conventional chip and mainstream PWM chip
Scan Mode	Static to 1/64 scan mode
Control Range	122,880 pixels (384*320), widest 1024, highest 512
Gray Scale	256-65536
Basic functions	Video, Pictures, Gif, Text, office, Clocks, Timing etc. Remote, Temperature, Humidity, Brightness etc.
Video format	Support 1080P HD video hardware decoding, direct transmission, without transcoding waiting. 60Hz frame frequency output； 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℃-80℃
Port	IN:5V DC*1, 100 Mbps RJ45*1, USB 2.0*1, test button*1 OUT:1Gbps RJ45*1, AUDIO*1
Power	8W

5. Dimension Chart

HD- C15C dimension chart follow：



6. Interface Description



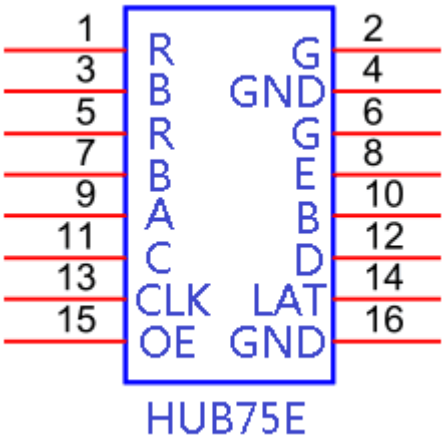
1. Power Supply port: connected 5V DC power supply.
2. Output network port: 1Gbps network port, connect to receiving card.
3. Input Network port: Connect to PC or router.

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. Temp port: connected temp sensor.
12. Test button: LED screen burn-in test.
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).
17. Power supply port: connected to 5V DC power supply, it same to '1'.

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 10 HUB75E port



8. Basic Parameters

	Minimum	Typical	Maximum
Rated voltage(V)	4.2	5.0	5.5
Storage temperature(℃)	-40	25	105
Work environment temperature(℃)	-40	25	80
Work environment humidity (%)	0.0	30	95
Net weight（kg）			
Certificate	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.