Colorlight

C1 Player

Specification

Colorlight (Shenzhen) Cloud Technology Co., Ltd.

C1 Player

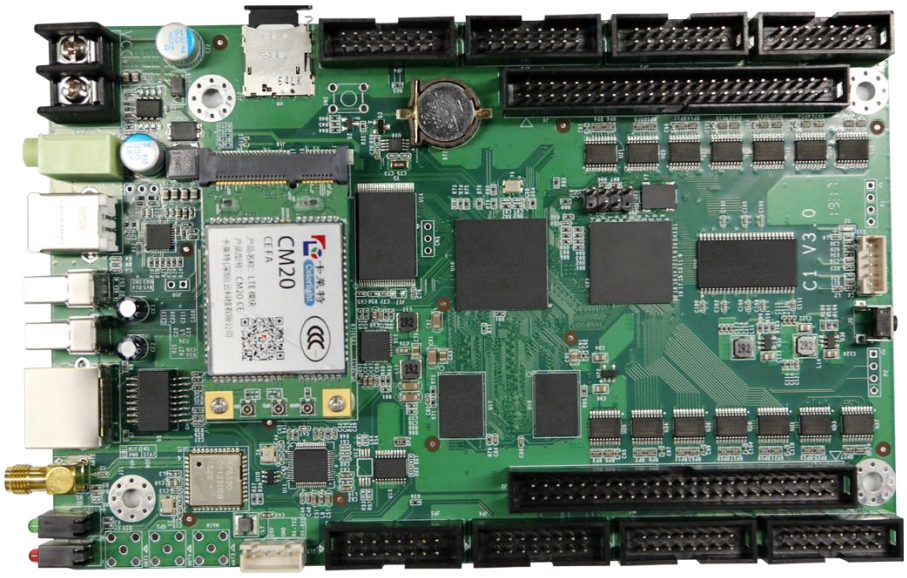
Overview

You can connect C1 to Internet through LAN/WiFi/4G. Based on Colorlight Cloud service, you will enjoy unified management of multiple screens and multi-services across regions. C1 is an innovative product which integrates sender and receiver card into one equipment. It is easy to operate and cost-effective.

C1 possesses powerful functions including equipment monitoring, program edition, scheduling and cluster publishing, multi-level authorization management.

C1 supports precise timing to achieve synchronized playback of multiple screens on Internet and LAN.

C1 has many advantages in applications of advertising screens and exhibition screens.



Features

Breakthroughs

- Cloud management - supports internet connectivity with Ethernet/WiFi/4G.
- Maximum loading capacity 130,000 pixels, maximum width or maximum height 1024 pixels, flexible size setting.
- Accurate synchronized playback between multiple players.
- 4GB internal memory, 1.5G end user usable.
- USB disk plug & play.

Safe and Reliable

- Use embedded operating system and industrial level components, small, safe and reliable.
- Encrypted data channel.
- Multi-level authorization cloud management. Supports program review/audit
- Real-time content monitoring.

Intelligent Control & Easy Management

- Can be set as WiFi AP Mode, support program management via smartphone, tablet, PC, etc.
- Equipped with optional M2 monitoring card, supporting the monitoring of ambient brightness, temperature, humidity, smoke and other parameters.
- Screen automatic and scheduled brightness adjustment.
- Switching on/off LED power with maximum 3 relays (Need optional the M2 sensor board).

Easy Program Management

- Edit program with LEDVISION.
- Multiple windows, free size and position (supports overlapped windows).
- Multiple program formats such as video, image, text, clock etc.

* When using 20 group data, the maximum loading capacity of C1 is 80,000 pixels. When using 16 group data, the maximum loading capacity is 130,000 pixels. Specific loading capacity depends on the panel, regarding the ultimate loading capacity please consult Colorlight technician.

Specifications

Basic Parameters	
Core Chip	1.6GHz Quad-core processor / 256M DDR3 High speed flash
Loading Capacity	Maximum loading capacity: 130,000 pixels，maximum width/height 1024 pixels.
Operation System	Android V4.4
Interfaces	
Audio Output	1/8×(3.5mm)TRS
USB Ports	USB2.0 × 2, supports external storage (U disc, 128G in maximum) or communication equipment
100M LAN	Access network
WiFi	2.4G/5G dual-band; supports AP mode and station mode
4G (Optional)	Access internet
GPS (Optional)	Precise positioning, precise timing, synchronization of multiple screens
Physical Parameters	
Dimension	176.9×113.9mm
Working Voltage	DC5V-12V
Rated Power	9W
Weight	150g
Working Temperature	-40℃~80℃
File Format	
Program Split	Supports flexible program windows split, supports flexible windows overlapping, supports multiple programs play
Video Formats	Common formats such as AVI, WMV, MPG, RM/RMVB, MOV, DAT, VOB, MP4, FLV etc.
Audio Formats	MPEG-1 Layer III, AAC, etc.
Image Formats	Supports bmp, jpg, png, gif, etc.
Text Formats	Supports txt, rtf, word, ppt, excel, etc.
Text Display	Single line text, static text, multiple line text, text effects ,etc.

Screen Split	Supports up to one video window, one multi-line text, one single-line text, one file window with up to 100 pictures, one weather window and one clock window at the same time. Supports up to one WEB window, one multi-line text, one single-line text, one file window with up to 100 pictures, one weather window, and one clock window at the same time. Realize free split screen function, different areas display different content
OSD Supported	Supports video/picture/text mixture or overlap with fully transparent, opaque, translucent effects
RTC	Supports real time clock
Terminal Management & Control	
Communication	LAN/WiFi/4G
Program Update	Update program through USB or network
Management Devices	Smart terminals like PC, Android, iOS and etc.
Automatic Brightness Adjustment	Timing automatic adjustment; Environmental automatic adjustment
Timing Play	Play according to scheduled programs
Communication	LAN/WiFi/4G
Program Update	Update program through USB or network
Software	LEDVISION 6.8

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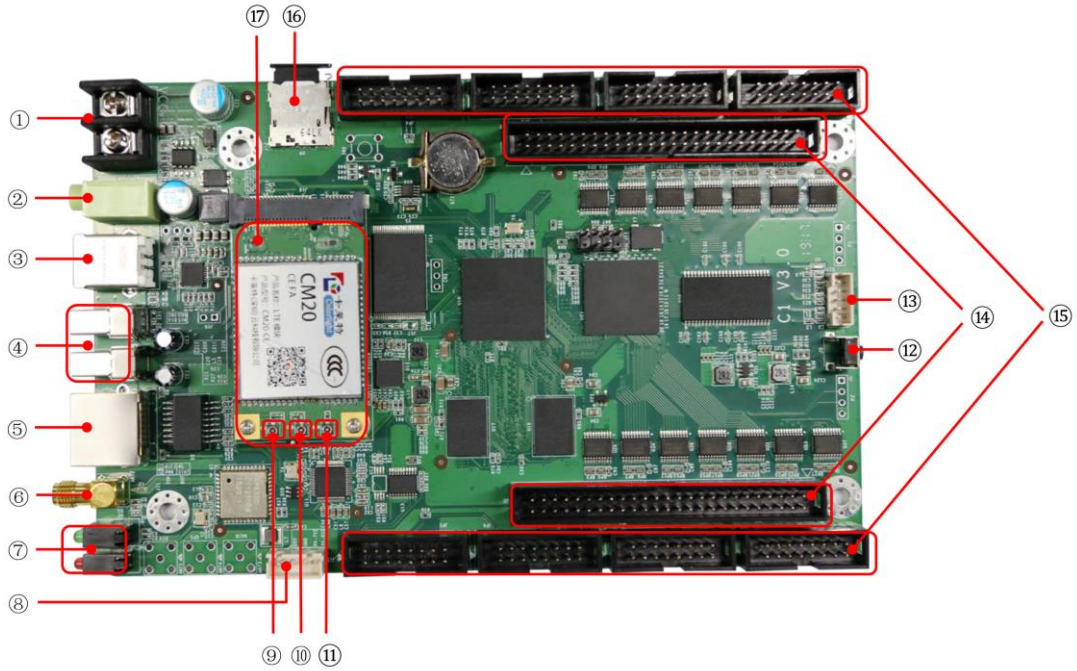
** The maximum size of a single picture file is 2M bytes, and the maximum dimension is 1920 x 1080.

Hardware

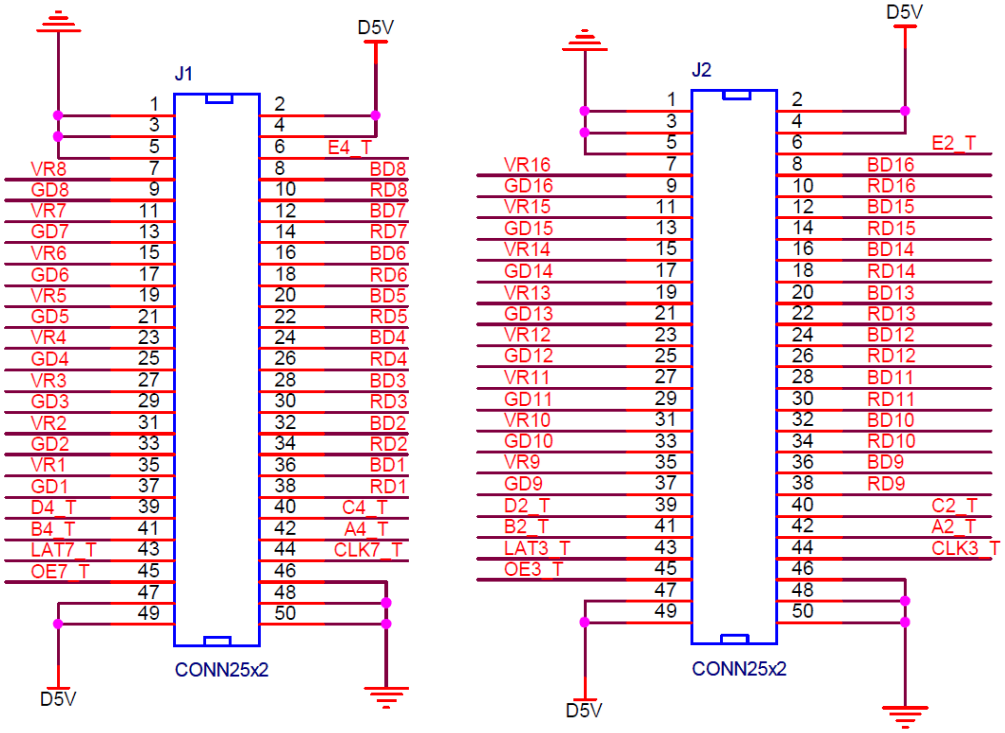


1. Interface Description:

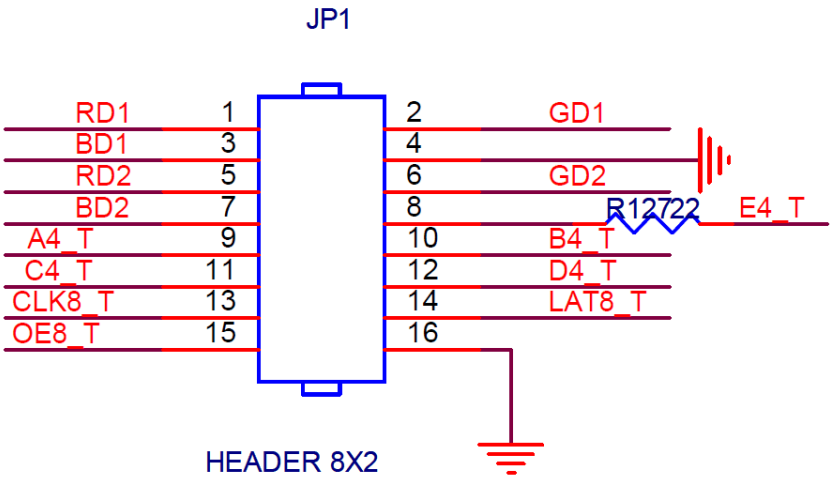
No.	Name	Function
1	Power Supply Port	DC 5V-12V
2	Audio Output	3.5mm HIFI stereo output
3	CONFIG Port	Screen parameters setting and Program publishing
4	USB Port	Play or Sync playlist from USB Disk
5	LAN Port	Access network
6	WIFI interface	Connect with WIFI antenna
7	Indicators	WiFi/4G/PWR/STAT indicator light
8	M2 Port	Connect with M2 (optional), with M2, the C1 can, • Monitoring brightness, temperature, etc. • Automatic brightness adjustment, etc.
9	4G secondary signal	Connect with 4G secondary antenna (optional with module)
10	GPS signal	Connect with GPS antenna (optional with module)
11	4G main signal	Connect with 4G main antenna (optional with modules)
12	Test button	Test with red, green, blue and white monochrome displays. Test with horizontal, vertical and other scanning displays.

13	External interface	Connect the HUB board of the display
14	Double 50p	Connect to various HUB boards
15	HUB Port	HUB75 data interface, connect to display unit board
16	4G Card slot	Nano 4G SIM card slot. (Nano SIM card is not provided, use only with the optional 4G module)
17	4G/GPS Module	Optional

2、Definitions of 50P pins

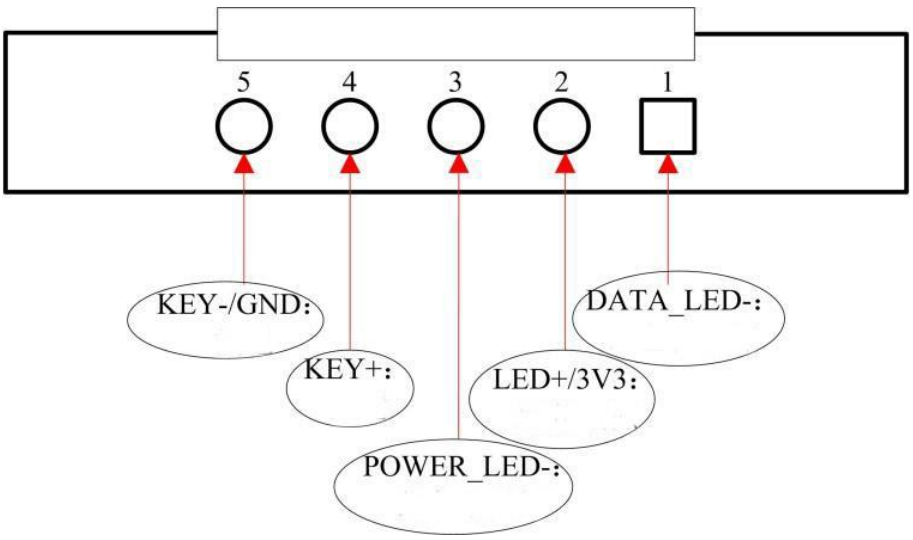


3、Definitions of HUB75 pins



Data signal				Scan signal		Control signal	
GD1	GND	GD2	E	B	D	LAT	GND
2	4	6	8	10	12	14	16
1	3	5	7	9	11	13	15
RD1	BD1	RD2	BD2	A	C	CLK	OE
Data signal				Scan signal		Control signal	

4、External interface pin definition



5、Dimension Figure

Unit：mm