



ZH LED Control System



# ZH-C580L

## Product Specification





# **Product Specification**

## **ZH-C580L**

### **I. Function Introduction:**

**ZH-C580L belongs to full color series LED player, its functions are as follows:**

1. Adopt the same refresh technology as synchronous control system;
2. Support cascading receiving cards, support any size screen;
3. Adopt the sending card + receiving card structure, the screen adjustment method is compatible with full color, which is convenient and quick;
4. Support mobile APP (Android + iPhone) to send program;
5. Support U-disk, Wi-Fi hot-spot (AP mode) and Internet (STA mode) to realize cluster management;
6. Support 2-line Wi-Fi, 3G/4G/ Wi-Fi and other access to Internet to manage;
7. Support remote cluster release management system;
8. Offer SDK file;
9. Support HD video hard decoding;
10. Supports audio output, 3.5mm standard audio output interface;
11. Support USB to play video and pictures directly;
12. Support brightness automatic, timing adjustment;
13. Support program play in sequence and timing;
14. Support UDP network communication protocol;
15. Support DHCP to obtain IP address automatically;
16. Support emergency information insertion;
17. Support weather forecast;
18. Support 1 pcs HDMI output port;
19. Support one-button full screen test;
20. Supports multiple video Windows to play simultaneously;
21. Support environmental monitoring;
22. Support manual switch, timing switch;
23. Support log, screen status checking;
24. Support multi-device play synchronously;
25. Support cloud login dynamic verification, support grouping, classification, monitoring, verify and other permission to manage.

### **II. Basic Function Parameters**

**System Parameters:**



## ZH LED Display Control System

CPU	8-core A53, 1.5GHz				
Operation System	Android 5.1				
System Storage	8G (The system takes up about 2.5G)				
Control Area	Loading Points: 1.3 million points Maximum Width: 4096, Maximum Height: 2160				
Support Resolution (Width*Height)	960*2160	1012*2048	1080*1920	1152*1792	1296*1600
	1480*1400	1518*1366	1620*1280	1800*1152	1920*1080
	2048*1012	2304*900	2560*810	2592*800	2816*736
	3072*672	3200*648	3264*632	3456*600	3600*576
	3672*564	3840*540	4096*512		

### Communication Port:

1. Support Wi-Fi hot-pot;
2. TF card port, support external expansion of storage space (optional);
3. Support U disk port;
4. Support 100M/1000M network adaptation;
5. Support server cluster;
6. Support 3G/4G communication(optional).

### System Security:

1. Many mechanisms like Cloud login dynamic verification, Ali cloud server, display terminal password verification and so on, to ensure the safety of data!
2. Support grouping, classification, monitoring, audit and other permission to manage.

### LED Load Parameters:

Support Gigabit ports to cascade receiving card, the maximum pixels: 1.3 million points.

## III. Input/Output Port Arrangement and Definition

### Hardware Introduction:

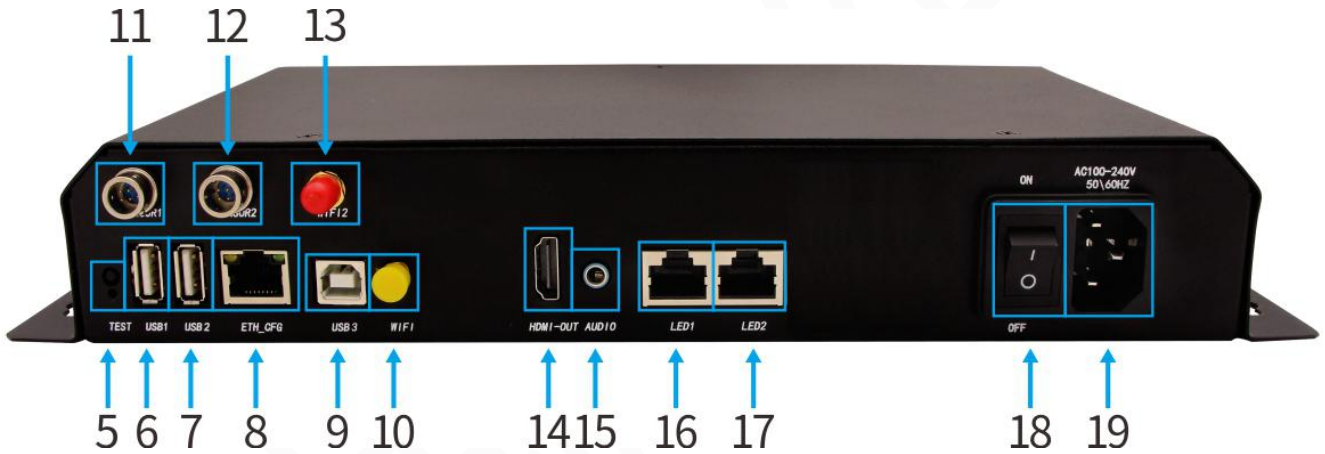
#### The Front Panel



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## The Back Panel



NO.:	Name:	Function:	Note:
1	Indicator	Power indicator	Red light always on
2		Operation indicator	Green light flashing regularly
3	TF card port	Enlarge storage	
4	SIM card port	4G Date card port	
5	Test button	Checking device information, test screen	13 kinds of test mode
6	USB port	Read content, enlarge memory	
7	USB port	Read content, enlarge memory	



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8	PC port	Link with PC, set parameter, send content	
9	USB port	Hardware update	
10	4G antenna port	Link with 4G antenna	
11	Sensor port	Connect with light sensor	
12	Environmental monitoring port	Connect the environment monitoring board	
13	WiFi antenna port	Link with WiFi antenna	
14	HDMI port	HD HDMI output	
15	Audio output port	Connect external active amplifier	
16	Gigabit port	Link with receiving card	
17	Gigabit port	Link with receiving card	
18	Switcher	Power switcher	
19	220V port	220V power input port	

### Working Condition:

Rated voltage (V)	220	Maximum	100	Minimum	240
Rated current (A)	0.15	Maximum	0.3	Minimum	0.1
Rated power consumption (W)	33	Maximum	50	Minimum	20
Extreme temperature(°C)		Maximum	80	Minimum	-40
Working environment temperature (°C)		Maximum	80	Minimum	-40
Working environment humidity (%)		Maximum	95	Minimum	0

### IV. Hardware Diagram:



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