
Product Specification



Product Name: FCON600 Integrated Control Server

Document Version:V1.2

1. Overview

1.1 Product introduction

FCON600 is a highly integrated 4K main control box, integrating LED display control, power management, Android applications and video processing and many other functions in one, which supports HDMI video source input and output, and 16-channel network port output, meeting the flexible needs with load under HD display. It can be used in combination with the display of any splicing size in the load range without additional equipment such as power distribution cabinet, video processor, etc., making all project displays as quick and easy as using an all-in-one machine. FCON600 can be widely used in enterprise service, exhibition, commercial display, smart city, command and scheduling and other fields.



1.2 Major functions

- Highly integrated design without external equipment;
- Compatible structure design for various installation method and scenarios;
- 16-way Gigabit Ethernet port design to meet ultra-high resolution needs;
- The maximum loading of single unit is 8.3 million pixels, and it supports the maximum input resolution of 3840*2160@60Hz, the widest support of 7680, and the maximum support of 4320;
- Built-in power distribution unit to realize power supply ,save peripheral equipment such as power distribution cabinet/video processor, and the project application is fast and convenient;
- Android 9.0 system, built-in Android applications;
- EU RoHS qualified.

2. Product features

2.1 ARM processor performance

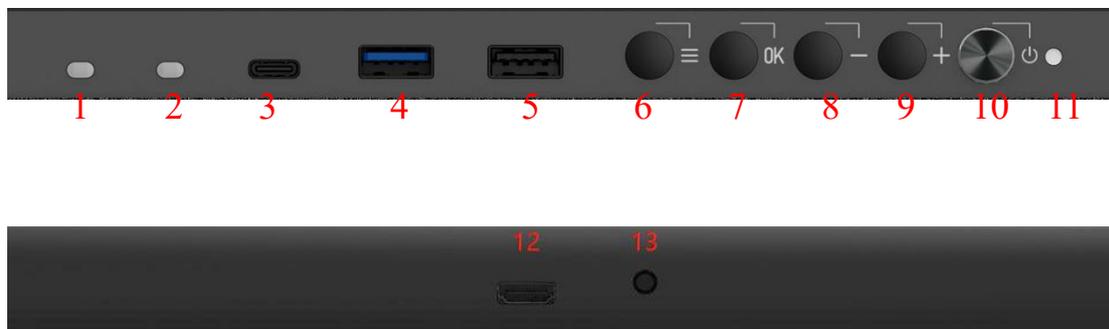
- CPU: 2 x Cortex-A72 + 4 x Cortex-A53, 2.0GHz
- 4G RAM, 32G flash memory
- Media format: Support MPEG1, MPEG2, MPEG4, H.264, WMV, MKV, TS, FLV and other mainstream video formats; Support MP3 and other audio formats; Support JPG, JPEG, BMP, PNG, and GIF image formats
- System: Android 9.0

2.2 Main functions

- Support wireless screen transmission;
- Support common video processing;
- Support control of large screen on small screen, achieve touch pad and remote control* functions on mobile terminal;
- Support screen brightness, contrast, color temperature, current gain and other Settings;
- Internal RS232 and RS485 ports support remote centralized control;
- Support a variety of signal input sources, compatible with different devices;
- Support one-button standby, remote control for source switch;
- Support up to 3840*2160 standard resolution image zoom;
- Support the LED on-screen display settings (OSD);
- Multiple scene modes available to choose from;
- Support automatic brightness adjustment;
- Support Wi-Fi dual band 2.4G/5G;
- Support three debugging modes: Wi-Fi, Ethernet cable, and USB.

3. Product structure

3.1 Front panel

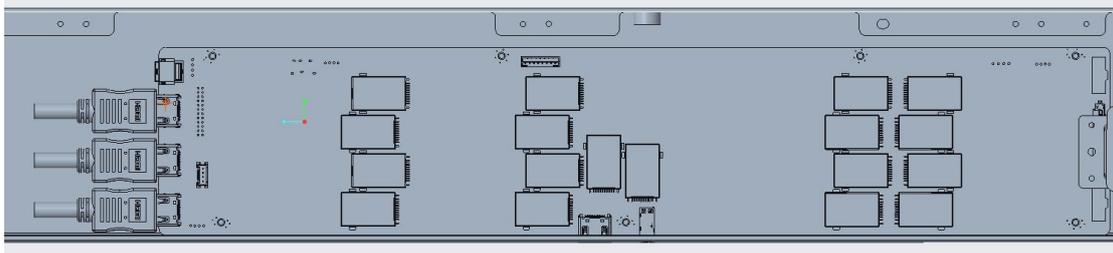


Front panel diagram

No.	Description	No.	Description
1	Light sensor	8	1. In the brightness adjustment mode, it is the brightness decrease button; 2. In the brightness adjustment menu, it is the Down/Decrease button
2	IR	9	1. In the brightness adjustment mode, it is the brightness increase button; 2. In the brightness adjustment menu, it is the Up/Increase button
3	Type C port	10	Standby/Wake up button
4	USB 3.0 port	11	Two-color indicator light (red/blue)
5	USB 2.0 port	12	HDMI input port (toward the bottom)
6	Menu button (including brightness, color temperature, contrast, sound, signal source, test mode and other sub-menus)	13	3.5 Audio output port (toward the bottom)

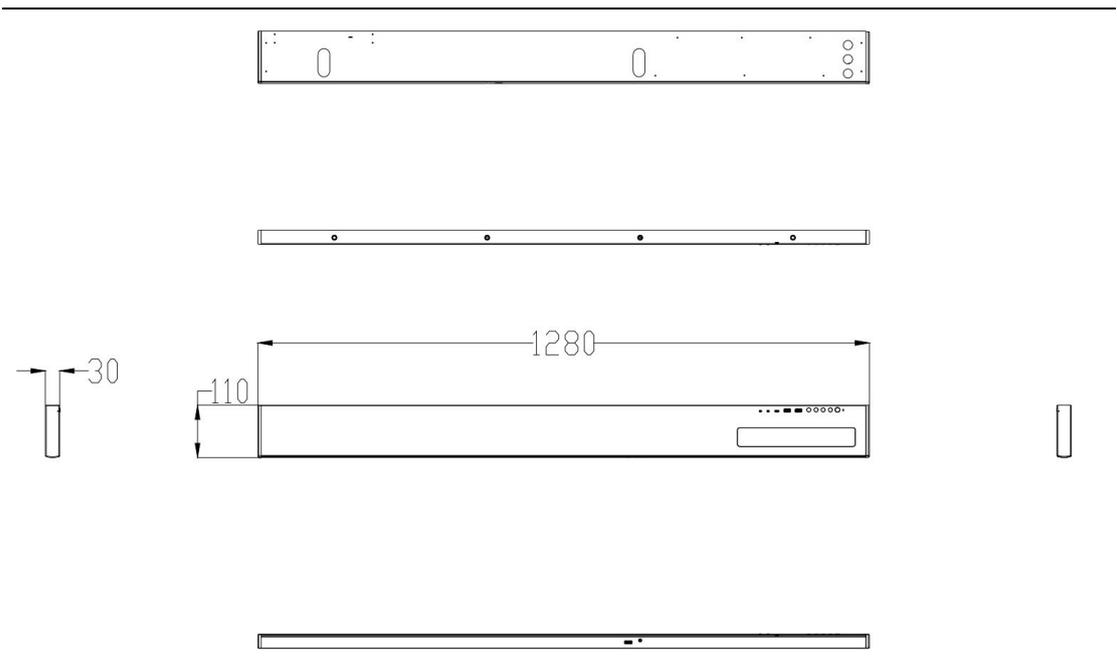
7	<p>Bright/OK (1. It is a brightness adjustment button when the menu is not brought up, for adjusting the brightness in cooperation with the + and - keys;</p> <p>2. Confirm button when the menu is brought up)</p>		
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3.2 internal interfaces



Schematic diagram of internal interfaces

Input interfaces	
Type	QTY
HDMI 2.0	3 (2 internal)
USB 2.0	1
USB 3.0	1
Type C	1
Output interfaces	
Type	QTY
HDMI 2.0 (internal)	1
Ethernet port	16 (internal)
3.5mm audio	1
Fiber optic digital audio output	1
RS232 communication interface	1



Dimension diagram

4. Product specifications

Electrical parameters	
Input power supply	AC100-240V~50/60Hz
Rated power	8KW
Environmental parameters	
Operating temperature	-10°C~60°C
Operating humidity	10%~80%, no frosting
Storage temperature	-20°C~70°C
Storage humidity	10%~90%, no frosting
Machine parameters	
Dimensions	1280*110*30mm
Net weight	8kg
Gross weight	9kg
Packaging information	
Carton (Length*Width*Height)	1930*140*200mm
Packing list	1*Host 4*Straight-through cable 5850mm 4*Straight-through cable 4000mm 4*Straight-through cable 1750mm 4*Straight-through cable 10000mm 1*2.5 mm ² power cable 5000mm or 12AWG power cable 5000mm 4*connection plate 70*50*19mm 8*pan head screwM4*12mm 4*outer hexagon screw 6*20MM 1*Remote control (The cables 、 connection plates and screws configured accordingly according to different products may vary, and shall be subject to the actually shipped ones)
* The above specifications and parameters are for reference only and are subject to change without prior notice.	