



Cloud Internet Control Box M60B-S

Product Specification

Version number: Ver.1.1

Statement

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3. The material of the platform has passed the registration certificate of the license for information network transmission of audio-visual programs;
4. Get Stable and qualified product certificate through national quality inspection

If the product does not have the relevant certification of the country or region to which it is sold, please contact the relevant personnel of Hisense Technology for confirmation or treatment at the first time. Otherwise, if the relevant legal risk is caused, the customer shall bear it or Hisense Technology has the right to recover.

Update Record

No.	Version	Updates	Revision Date
1	Ver.1.0	Initial Release	2022.08.25
2	Ver.1.1	Update content	2023.02.15

The document is subject to change without prior notice.

SHENZHEN SYSOLUTION TECHNOLOGY CO., LTD

Product Introduction

Xixun M60B-S supports -40°C to 85°C in high temperature, and supports network backup with gigabit dual network ports. Support access to cloud platform publishing, easy to achieve remote cluster control of display screens; Hardware and software design fully consider user deployment, operation, and maintenance scenarios, making deployment easier, operation more stable, and maintenance more efficient. With safe and stable functional design, save space for users, reduce wiring, can be used for advertising machine, transparent screen, mirror screen, shaped screen, door screen, shopping mall screen. Subway screen, special stage screen and other scenes with load.

M60B-S series adopts industrial-grade quad-core processor, integrates four Cortex-A35, dual-core Mali-G31 GPU, four-core master frequency 1.5GHz, can withstand 90 °C high temperature stable operation, memory support 1GB+8GB (compatible with 2GB+16GB) LPDDR3. The chip can support GSM, WCDMA, TD-SCDMA, EVDO, TDD-LTE, FDD-LTE and other systems, is a highly integrated product.

Function Characteristics

1. Double gigabit network port output, can be used as a backup, to ensure the stability of picture transmission;
2. Eight-factor environmental sensor R68 can be connected through 485 interface to display environmental information without secondary development.
3. Support external Lora synchronization module to ensure multi-screen playback synchronization;
4. Support two remote power off, one control screen body switch, one control street lamp switch;
5. Support the optional 4G module, different countries module model is different, please provide the shipping country;
6. Lora wireless timing multi-screen synchronization;
7. Onboard WiFi module to realize wireless communication; Support AP mode, Station mode;
8. Support secondary development, support cloud platform remote cluster control;
9. Built-in Web Sever, support local web page production, support PC, mobile phone, Pad and other user terminal program release and display control, cluster remote program release and display control, cluster remote monitoring screen state;
10. Powerful processing performance, 4-core processor, 1.5GHz main frequency, support 1080P video hard decoding, 1GB running memory, 8GB internal storage space;
11. When the user terminal connects to the WiFi hotspot provided by the M60B-S, the default

SSID is SN and the default password is 12345678.

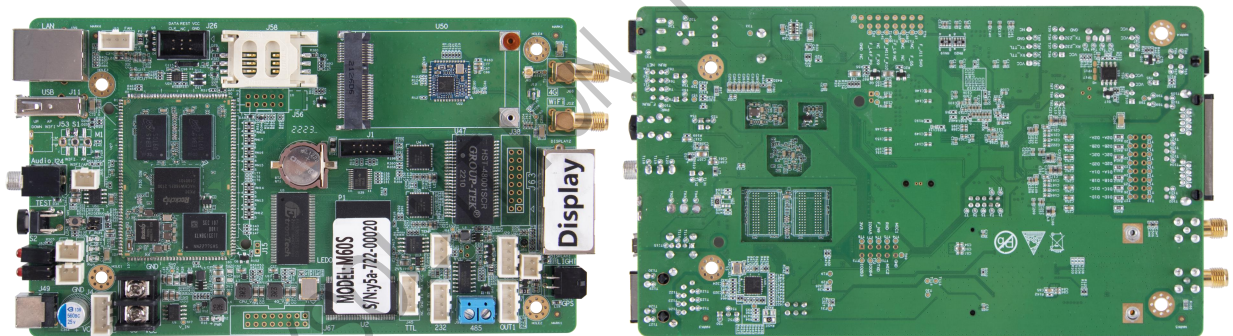
12. Support GPS positioning and timing;
13. Can automatically adjust the brightness of the display screen, need supporting brightness sensor;
14. Support to play programs according to the program list;
15. Through the management system can centrally set the timing switch, volume, brightness;
16. Support USB camera;
17. Support NTP precise automatic time calibration;
18. Supporting software: AIPS4.0 cloud publishing platform, PC software LedOK Express, mobile APP: LedOK Kit.

Product Appearance

M60B-S with box



M60S Naked card



Product Parameter

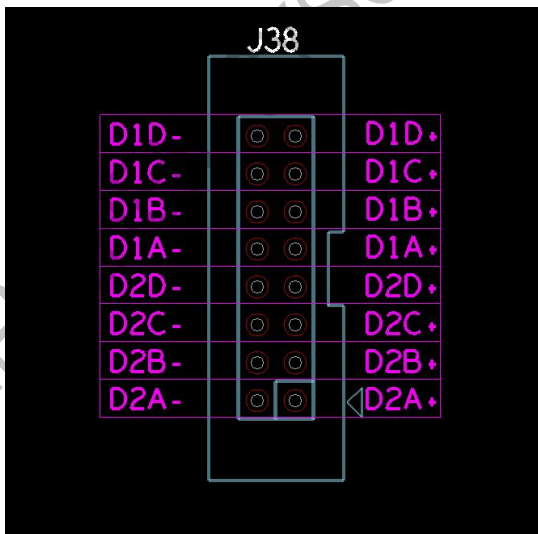
Features	Description	
Type	M60S(naked card)/M60B-S (player box), optional 4G module, 60s-CH China, 60s-g global access to foreign countries	
Pixel	M60B-S: 92 pixels, Resolution 1280 (W) *720 (H)	
Communication mode	Network port, WiFi, USB, Optional 4G module	
CPU	Cortex-A35 4 Core main frequency 1.5GHz	
GPU	Mali-G31MP2 OpenGL ES3.2, Vulkan 1.0, OpenCL 2.0 Dvalin-2EE	
System memory	8GB Emmc+1GB LPDDR3	
Operating system	Android 9.0	
WiFi	IEEE 802.11b/g/n 2.4G	
GPS	GNSS GPS/Beidou/Glonass	
Other interface support	<ol style="list-style-type: none"> 1. 1 stereo audio output. 2. 1 USB2.0 ports. 3. Support program import and play on USB disk. 4. One RS485 port, one RS232 port, and one TTL serial port. Connect the luminance sensor, other sensors, and other modules to achieve corresponding functions. 	
Configuration software	LedOK Express	
Support frequency band		
Type	3G/4G (optional)	Certificate

M60B-S-CH	-China (China/India) FDD-LTE: B1/3/5/8 TDD-LTE: B38/39/40/41 TDSCDMA: B34/39 WCDMA: B1/8 CDMA 1X/EVDO: BC0 GSM: B3/5/8	Compulsory Certification: SRRC/ NAL/ CCC Others : WHQL
M60B-S-G	-North America FDD-LTE: B2/4/5/7/12/13/17 WCDMA: B2/4/5	Operator certification: AT&T/ T-Mobile/Rogers/ TelusVerizon/AT&T (FirstNet)/T-Mobile/U.S. Cellular/Rogers/ Telus Mandatory / conformance certification: FCC/ IC/ PTCRB Others : WHQL
M60B-S-NA	-Eurasia (EMEA/Korea/Thailand/India and other Asian countries) FDD-LTE: B1/3/5/7/8/20 TDD-LTE: B38/40/41 WCDMA: B1/5/8 GSM: B3/5/8	Operator certification: Vodafone/Deutsche Telekom/SKT/ Telefónica Mandatory / conformance certification: GCF/ CE/ KC/ NCC/RCM/ FAC/ NBTC/ICASA Others : WHQL

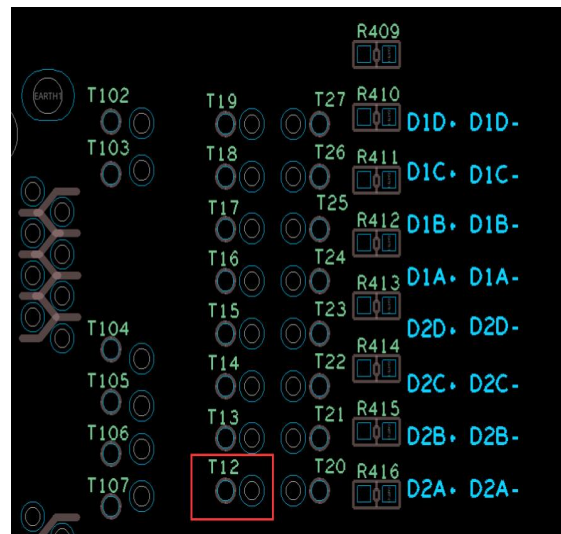
<p>M60B-S-EU</p>	<p>-Latin America (LA/AU/Newsland)</p> <p>FDD-LTE: B1/3/5/7/8/28</p> <p>TDD-LTE: B40</p> <p>WCDMA: B1/2/5/8</p> <p>GSM: B2/3/5/8</p>	<p>Compulsory Certification: GCF/ FCC/ Anatel/ NCC/RCM</p> <p>Others: WHQL</p>
<p>M60B-S-LA</p>	<p>-Global</p> <p>FDD-LTE: B1/2/3/4/5/7/8/12/13/18/19/20/25/26/28</p> <p>TDD-LTE: B38/39/40/41</p> <p>WCDMA: B1/2/4/5/8/6/19</p> <p>GSM: 4 frequencies</p>	<p>Operator certification: Deutsche Telekom/ Verizon/ AT&T/ Sprint/U.S. Cellular/ Telus</p> <p>Mandatory / conformance certification: GCF/ CE/ FCC/ PTCRB/ IC/ Anatel/IFETEL/ SRRC/ NAL/ CCC/ KC/ NCC/ JATE/ TELEC/ RCM/ NBTC/ IMDA/ICASA</p> <p>others: WHQL</p>
<p>M60B-S-J</p>	<p>-Japan</p> <p>FDD-LTE: B1/3/8/18/19/26</p> <p>TDD-LTE: B41</p> <p>WCDMA: B1/6/8/19</p>	<p>Operator certification: NTT</p> <p>DOCOMO/SoftBank/ KDDI</p> <p>Compulsory Certification: JATE/ TELEC</p> <p>Others : WHQL</p>

Interface Parameters/Define

M60B-S Product Interface Label (with box)



Front



Reverse

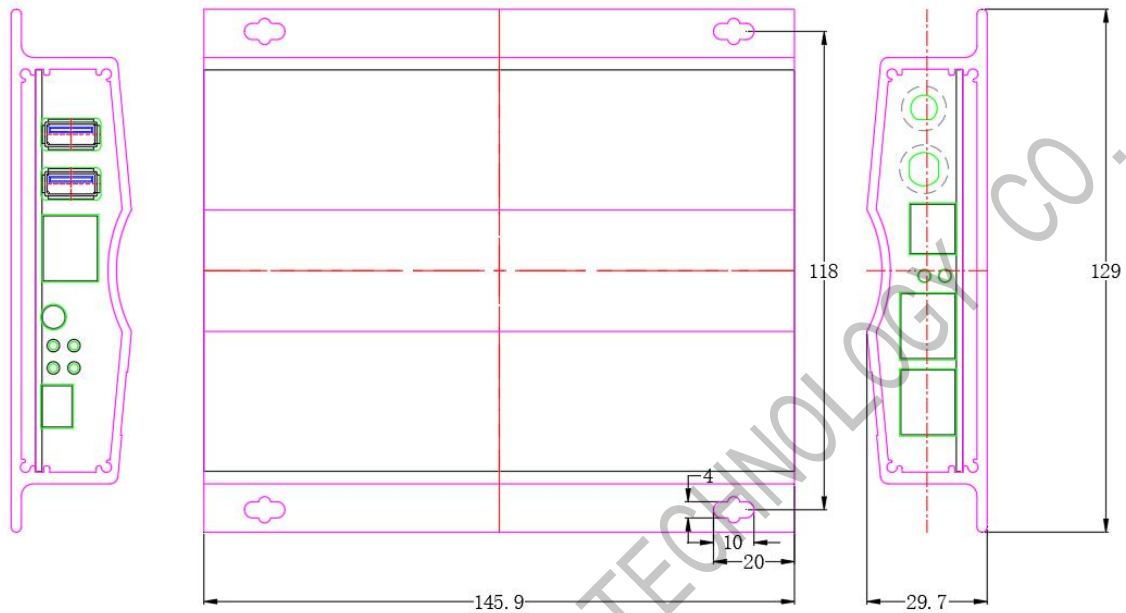
Working Condition

Working parameters	
Working voltage (V)	12V
Working current (A)	0.9A Max: 3A
Maximum working power consumption (W)	10
working temperature (°C)	- 40°C ~ +85°C
Storage temperature (°C)	-40°C ~75°C, Recommend 5°C ~35°C
Humidity of working environment (%)	10% ~ 90%, No condensation
Size (mm)	170cm×99.5cm

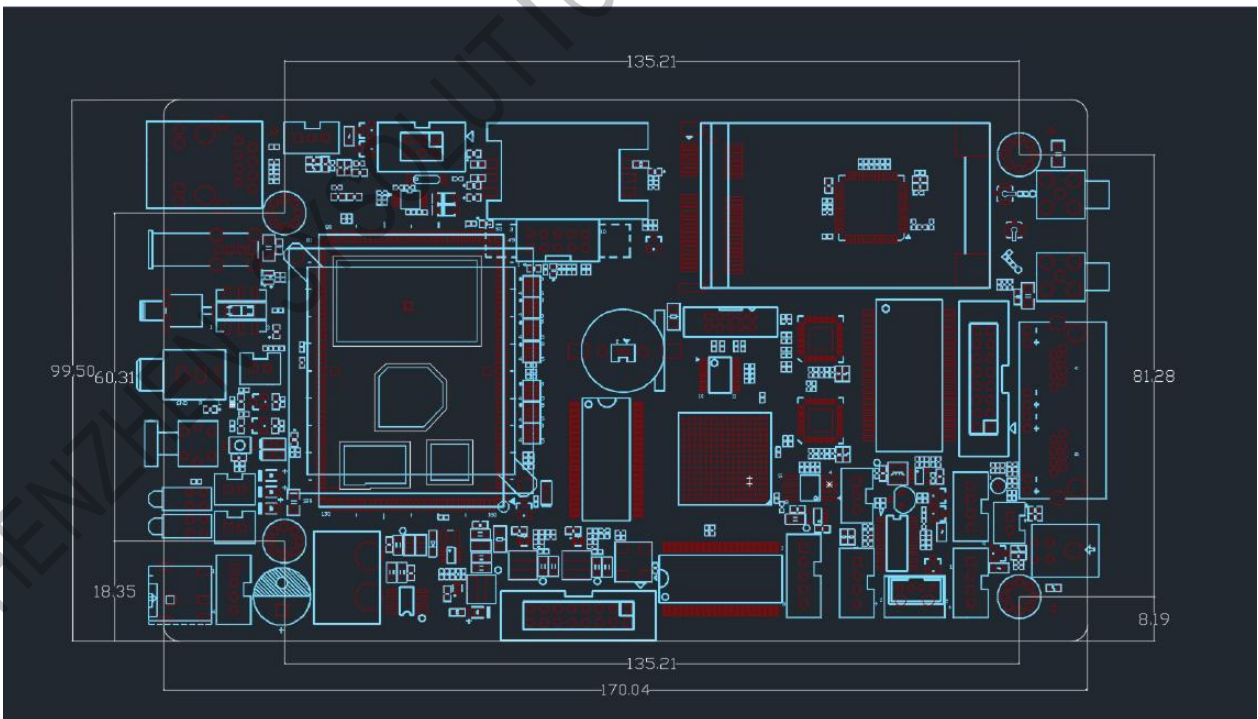
1. It is recommended to use an independent (12V/3A or above) power supply for the control card;
2. High working temperature will cause a sharp decline in power efficiency. If the control card and the module share the same power supply, please ensure that the control card has a stable voltage and a reasonable actual current supply.

Dimensional Drawing

Installation dimensions of control box M60B-S



Installation dimensions of bare card M60S



Unit: mm

Accessories

Standard fittings	Size/quantity
WiFi patch antenna	1.5m*1
4G sucker antenna	3m*1
Optional accessories	Accessory function
Humidity line RH1	Test the humidity of the current environment
Brightness line RL2	Used to sense the brightness of the current environment
Optional multi-function card RS5 integrated synchronization module, 5-way voltage detection, opening and closing doors and smoke interface (optional RD1 door sensor, RM1 smoke sensor)	Picture timing synchronization, power supply detection
8-in-1 Environmental Sensor R68	Temperature, humidity, illumination, PM2.5, PM10, noise, wind speed, wind direction
Electricity statistics RM1275	Real-time view of daily electricity consumption
G11 GMous Multi-mode	GPS Positioning module
30W Horn *2 RLB1	Two remote broadcasts per screen, real-time shouts
Accessories that can be matched (the above selection, according to the needs of the order under the corresponding model)	

Notes

1. It is strictly forbidden to disassemble and assemble the product by yourself.
2. It is strictly forbidden to plug and unplug the SIM card with power.
3. It is strictly forbidden to use improper voltage for power supply.
4. It is strictly forbidden to share the 200w/5v switching power supply of the screen to supply power to the card, which will lead to unstable system operation and low horn sound.

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