Specification for LS-Q3 /LS-Q3-C
LED Media Player


LED MediaPlayer
FullColor HD


1000MA
1000MB
RS232
AUDIO
SD
DC12V
GND


FullColor HD
RST
USB
LAN
PWR
SYS
LINK
TEST

Parameter

Model	LS-Q3	LS-Q3-C
Max.Pixels	900*1280(600*1920)	768*1024
Memory	4G flash(standard),max.128G SD card	
Refresh rate	Max.16KHZ	
Any cascade	Can cascade max.63pcs of receiving card	
Grey level	65536	
Scan mode	Indoor/outdoor, regular routes, smart scanning setting	
HUB port	Standard port	
Communication port	LAN/U-Disk/SD card	
Communication type	LAN,WAN,GPRS,3G/4G,WIFI	
Remote management	Support cluster release management remotely; support upgrade system remotely	
Audio port	Onboard integrated sound card, with 6W amplifier, the R/L analog audio	
Video decoding	1080P hardware decoding	
Video format	MOV,AVI,MP4,DVD,ASF,WMV,MKV,RM,RMVB,TS,DAT,MPG,MPEG,VOB	
Audio format	MPEG-1 Layer3,WMA,WMA Pro,AAC,MPEG1/2 Layer 1/2,ADPCM,OGG Vorbis, Dolby Digital AC3,Dolby Digital Plus, RA-COOK,FLAC	
Animation format	JPEG,BMP,GIF,PNG,TIFF	
Text	Support OSD	
Memory port	Provide SD card port, support Max.128G SD card; can use USB2.0 Host to expand U-disk or USB hard-disk	
Timing play	Support	
Sensor port	Support displaying temperature and humidity, auto brightness adjustment and use infrared remote to change program	
Partition	Divide into several areas randomly	
Software	LED MediaPlayer	

Features

1. Adopt asynchronous multimedia card
No need DVI port, use 100M internet port to transmit directly

2. Single RJ-45 cable to transmit
One single RJ-45 cable to transmit, full color 900*1280(600*1920)/768*1024 (4096×4096×4096 level gray) ;

3. Supported range
Maximum supports 900*1280(600*1920) or 768*1024 pixel, receiving card support 128*384.

4. One card, multi-purpose
It can be used for both indoor, outdoor, semi-outdoor led screen;
Scanning mode 1/16, 1/8, 1/4, 1/2, static, all can be adjusted.

5. Brightness adjustable
It supports 256 level software adjustments, supporting manual or automatic brightness adjustment.

6. Network control
It can release and control by local card, any online computer can switch on/off the screen, control the display information, adjust the brightness, etc

7. Wide range
Because the shift clock, data polarity and OE polarity can be adjusted, and the HUB card is separated, so it can be used for various LED modules.

8. High Stability and reliability
Adopt the latest international technology, using the world popular large scale (2 million door) FPGA component, improved the stability and reliability of the control system;
Support online upgrade;

9. High compatible software

Because of using the hardware real-time synchronous technology, so the whole process, no need of loading any software, with software open structure feature.
Working OS: DOS, Windows98, WINDOWSNT, WINDOWS2k, WINDOWSXP, and WIN7;
Users can edit the program themselves, or can use all kinds of tools to make programs, like graphics, image, animation, video and ppt..
Provide super graphic making software.
Support hundreds of display style;
Video , picture and text can be arbitrary layout and automatic play.

10. Large capacity
U-disk, SD card can be used as a storage medium;
Can continuously play hours of different info ;

11. Rich function, high expandability
Perfect system design, high expandability;
Provide users with good technical support and application development platform
Support secondary development; provide right solutions according to user's requirements;

12. High stability , plug and play
Adopt large-scale programmable logic components;
Unique design, compact construction, stable performance

13. Offline working
After finishing sending the data, it can work offline, the data won't lose even power off

14. High compatibility
Can match with any LED module because its smart routing

15. Software
User-friendly interface, easy to operate

16. Long distance transmission
Adopt advanced data transmission technology;
Adopt high speed data communication chip;
Anti-static, anti-lighting;
Support long distance transmission

Software Features

1. Support smart routing, easy to scan pixels;
2. Support file detection, automatically clean
3. Adjust the video format by one key
4. Support more than 60 kinds of PlayStyle
5. Easy to edit and operate the programs
6. Support multi-level password management , centralized control
7. Support multi-area multi-files, each area supporting multi-files circle play
8. Support Screen para settings and read ,supporting programs circle/repeat play
9. Support timing play, timing turn on/off the screen ,timing brightness adjustment

Hardware Features

1. Asynchronous full color system, playing video without PC ;
2. 1080P HD video hardware decoding ;
3. Huge memory, built-in 4G, can easy to expand to 128G by SD card;
4. Support cluster release, management, update by remotely

Picture for LS-Q3/ LS-Q3-C LED MediaPlayer

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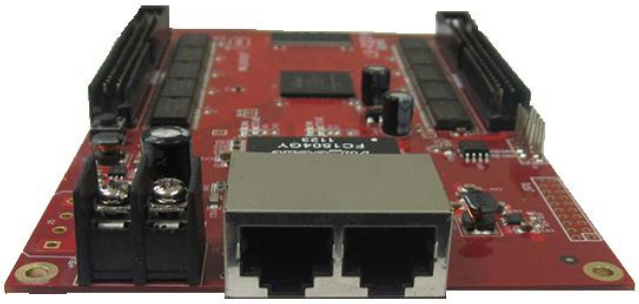
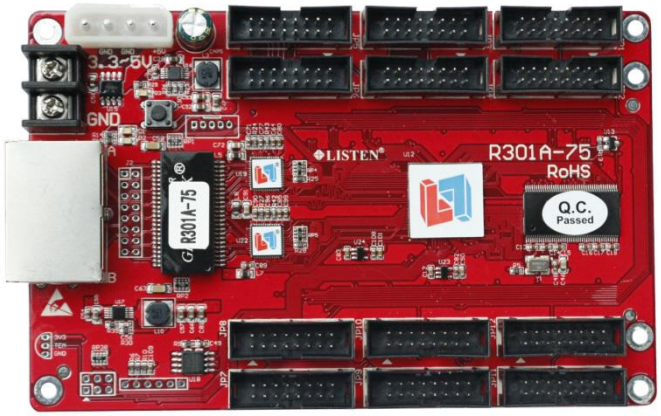
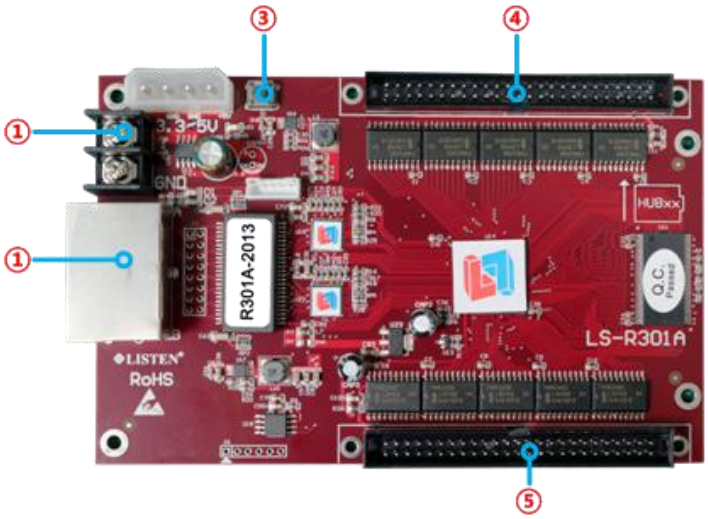


LED Media Player | Receiving Card LS-R301A

Picture for R301-50 or R301-75 Receiving card



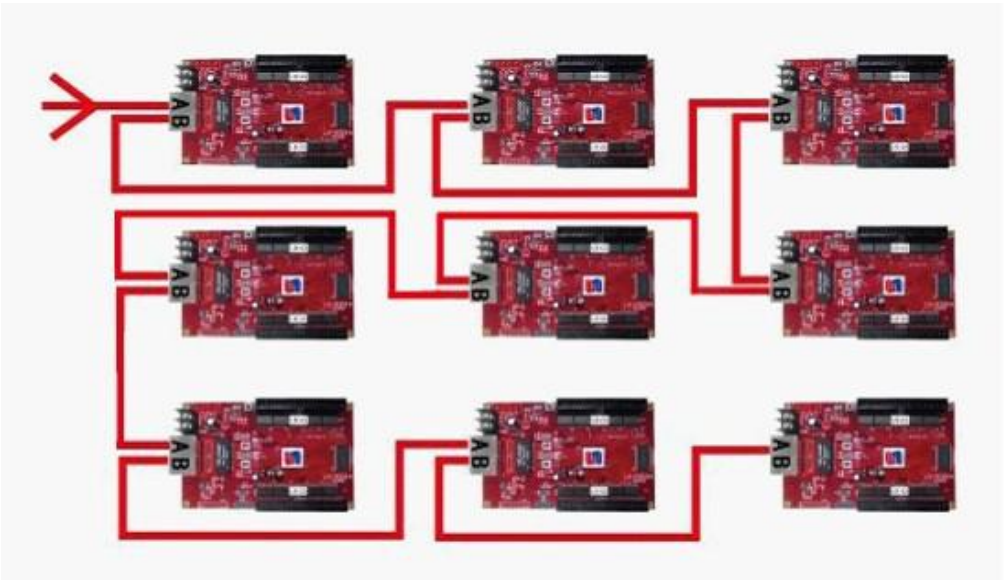


①	5V Power Supply Port	Wide voltage input, support 3.5V-6V
②	1000MB LAN Port	Network communication Port
③	Test Key	Test LED Panel
④	50Pin Output	Connect with HUB Cards
⑤	50Pin Output	Connect with HUB Cards

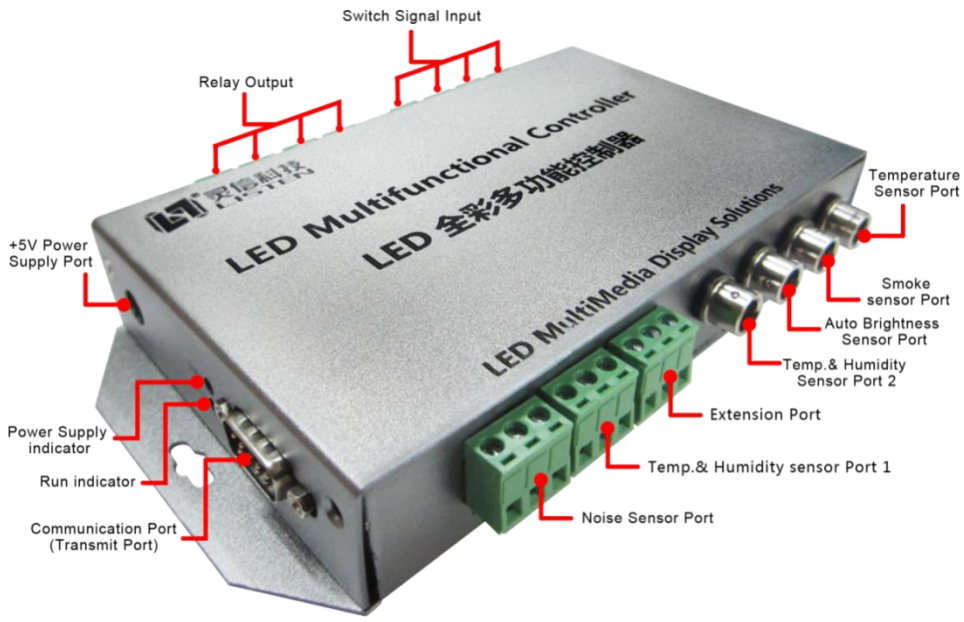
LS-R301A Receiving card needs to work with HUB card to connect with the LED Modules. HUB Card depends on the hub port of RGB LED Modules.

Connection diagram for LED Media Player LS-Q3 with its receiving card LS-R301A

Cascade connection diagram for the receiving cards

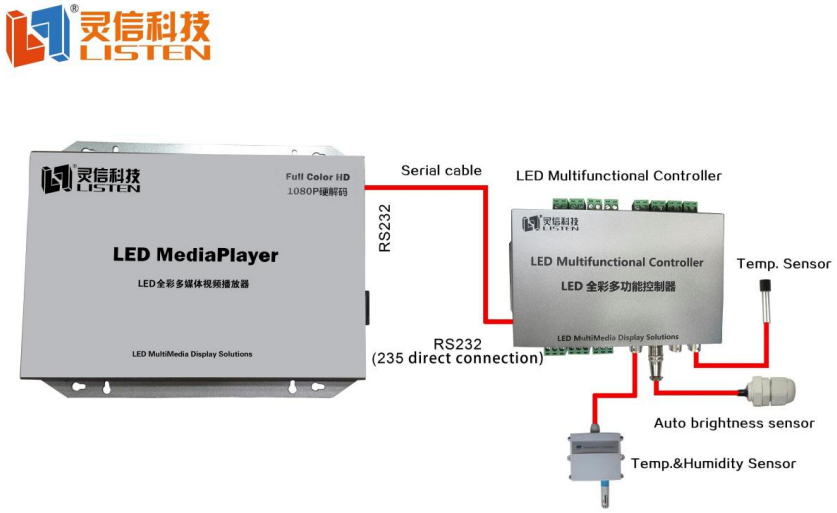


Accessories for



LS-Q3

Picture for LS-F301A Multi-functional Controller



Connection diagram for LS-Q3 LED MediaPlayer and LS-F301 Multi-functional Controller for sensors displaying values(temperature, humidity, auto brightness, etc)

Picture for Temperature & Humidity Module LS-F201

Picture for Auto brightness sensor LS-F211

Picture for Temperature sensor LS-F202