



BX-Y04 V2.1 Specification

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Guiding

Safety note

- The input voltage is 3.5V ~ 5.5V. Please strictly ensure the power quality of bx-y series players.
- When you want to connect or unplug any signal cable or control cable, please confirm that all power cables have been unplugged in advance.
- Before any hardware operation, please turn off the power supply of the processor in advance and release the static electricity on you by touching the grounding surface.
- Please use the product in a clean, dry and ventilated environment. Do not use the product in high temperature, humidity and other environments.
- This product is an electronic product. Please stay away from fire source, water source and flammable and explosive dangerous goods.
- There are large-scale integrated circuit chips in this product. Please do not open the chassis or repair the equipment by yourself.
- In case of abnormal conditions such as smoking and peculiar smell, please turn off the power switch immediately and contact the dealer.

Features

- On-board 4*HUB75 Interface, one card to one screen,suitable for all kinds of small size LED full color screen
- High performance CPU, hardware decoding, HD video playback smoothly .
- On-board 100M Ethernet port,audio port, Support USB port Wi-Fi module and will support 4G router soon .
- Support cluster control, especially suitable for large-scale urban outdoor advertising screen large-scale deployment, management
- Abundant 3D stunt and Flash subtitle
- Support U disk display directly,also support importing display.
- Support Groups cluster management
- Support firmware update online.
- Support database,Very suitable for high-speed rail, hospitals, banks and
- other occasions of information release.
- Support temperature sensor/ temperature&humidity sensor /noise sensor/air quality sensor /wind speed &wind direction sensor /brightness sensor
- Adopter the second YQ protocol,and it is more convenient for custom and SD

Function

Control area

BX-Y04 support 512× 128 ,Total 64K pixels, the maximum width ≤1024, the maximum height 256 .4 nos T75 on board.one screen match with one card,used for small size full color screen and cluster control.Widely used in Led posters and Led pole screens bus screens etc.

Adapt to various modules

Upgraded on the basis of bx-y04 player, bx-y04 v2.1 controller can easily and quickly support various modules to better meet the needs of customers and the market.

Support high refresh

BX-Y series of controller support high refresh(here refers to the receiving card for LED screen refresh,users scan)or mobile phone camera shooting picture from time to time, no distortion, no scanning line,the true nature and excellent results.

Multiple communication mode

The controller is on board a 100M network interface, internal integrated 4G wireless module, WIFI module, also supports USB interface, external WIFI module. Built-in WIFI both as a hot spot (AP), but also as a terminal. Supports external 4G routers. For the general network topology, users can use the network cable directly access the router or switch,and management PC communication. For short-range wireless applications, the user can open the controller built-in WIFI, access to their own routers, to achieve online control management. Users can also open the controller's WIFI hot spots,access to their own PC controller, to achieve management control. For the controller hot spots, the user can set the password, the rights management.

Lager storage capacity

BX-Y04 provides high-capacity built-in flash memory, also supports external

capacity expansion. It was built-in 4G flash memory, users can store 8 hours of high-definition video.it provide SD card slot,allowing users to insert large capacity SD card, to expand capacity.

Abundant 3D stunt

Support graphic text, subtitles, video, lunar calendar, dial, timing, temperature, humidity, announcements, weather forecasts areas.Text areas can be pictures or text, supporting a wealth of special effects, including curtain, pan, laser, mosaic, shutter and other common effects.Controller built-in GPU (graphics processing unit), support Abundant 3D stunt and FLASH subtitle.

Support database

The controller will support database area, supports multi-page display, supports MYSQL, SQL server and other format database in the near future.

Support Android app

BX-Y04 support Android APP LedshowYQ to add,edit and send program, very easy to operate.The APP support search screen, support multi language, support dynamic preview, video trans-coding function.Support gesture zoom in and out of partition function.

Flexible program release

Users can use PC software LedshowYQ to add ,edit , preview, release. If network is not convenient,users can also use U-disk to import programs or plug-in and display .USB transmit distance is $\leq 3M$,It can be reach 10 M with a extension line.

Online update firmware

BX-Y series support remote upgrade firmware, users can use PC software LedshowYQ, iLEDCloud platform to upgrade the latest firmware,to enhance controller functionality, performance, solve bugs.The controller has built-in logging function, it can record various important events, and support remote consult, analyze and solve the fault. Support remote control BX-Y04 supports remote control , very easy to switch programs by the remote .and also the screen brightness,volume,turn on and off screen ,testing

etc.user experience comparable to TV remote control, especially suitable for indoor led screen management.

Timer switch screen

The LedshowYQ software support timing switch screen. After setting the turn on and turn off time, the computer will turn on the machine on time and automatically. It can make use of manpower and material resources reasonably, and greatly improve the service life and reliability of the display screen. When the user is inconvenient to operate on the side of the computer, this function can better realize no one. The function of duty.

Relay function

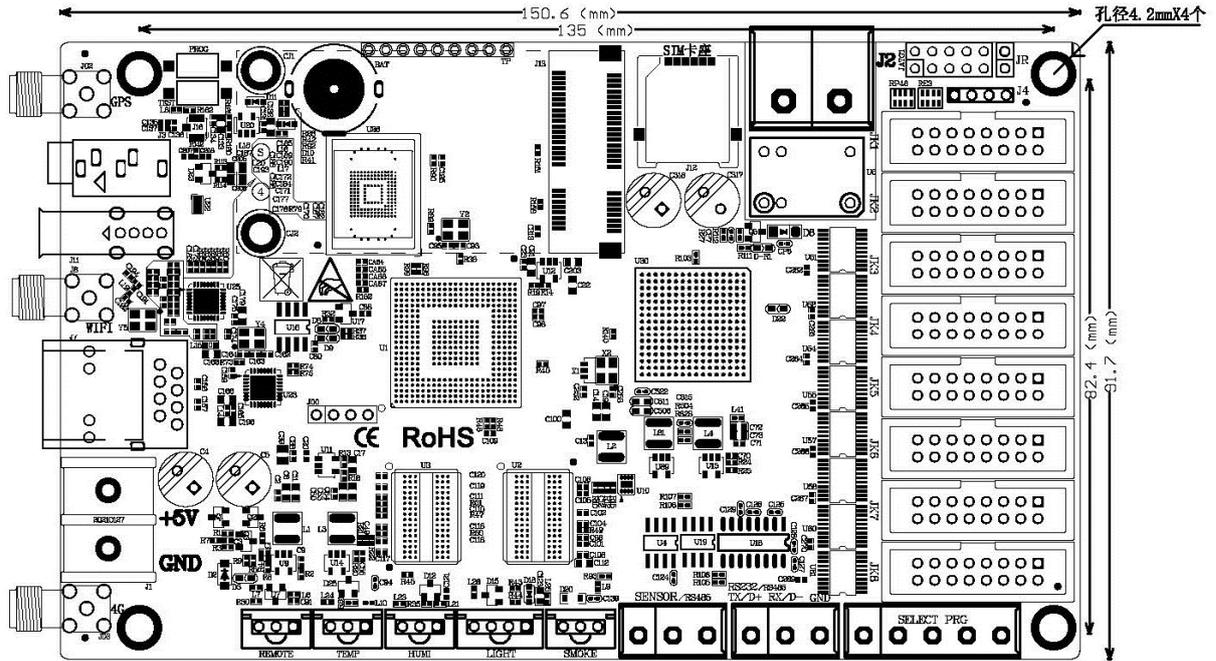
BX-Y series added relay function ,Match with VMF multi-function card,the controller supports remote start, shutdown control , effectively reduce the screen power consumption, saving energy.

Technical parameter

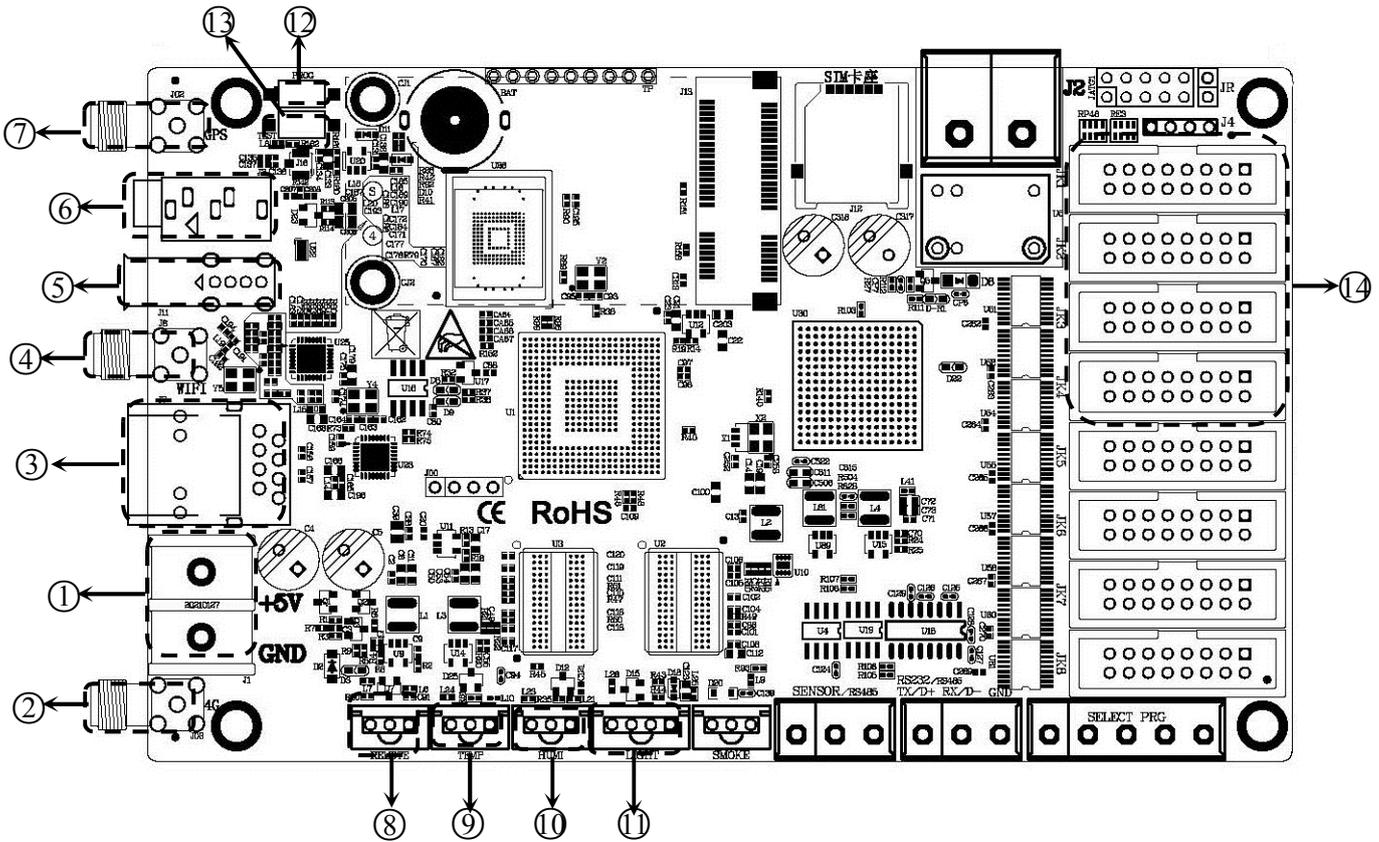
| Screen index | |
|----------------|---------------|
| Parameter | Specification |
| Minimum size | 64 × 64 |
| Maximum size | 512×128 |
| Maximum width | 1024 |
| Maximum height | 256 |

| Product specification | |
|-----------------------|--|
| Input power supply | 3.5V ~ 5.5V ; Please make sure the quality of power supply |
| Power Dissipation | ≤10W |
| Temperature | -40°C ~ 80°C |

Dimension diagram



Interface diagram



| Interface define | | |
|------------------|---------|--|
| 1 | DC | 5V power supply port, DC input, 5V, support 3.3V~6V |
| 2 | Antenna | Connect with 4G Antenna (optional) |
| 3 | 100M | 100M Ethernet connect with computer |
| 4 | Antenna | Connect with WIFI Antenna (optional) |
| 5 | USB | USB interface, Support USB disk transmission program |
| 6 | AUDIO | Audio output |
| 7 | Antenna | Connect with GPS Antenna (optional) |
| 8 | IR | 9 IR XH254-3P IR controller interface |
| 9 | TEMP | Temperature sensor interface |
| 10 | HUMI | Temperature&humidity sensor interface |
| 11 | LIGHT | Brightness sensor interface |
| 12 | PROG | Program switching interface |
| 13 | TEST | Test interface |
| 14 | 75 PORT | 75 PORT (JK1、JK2、JK3、JK4) |

CONTACT US

Shanghai ONBON Technology Co.,Ltd (Headquarters)

Address: 7 Floor, Tower 88, 1199#, North Qinzhou Road, Xuhui District, Shanghai City, China

Tel:0086 15921814956

Website: www.onbonbx.com

ONBON (Jiangsu) Optoelectronic Industrial Co.,LTD

Factory Address: 1299#, Fuchun Jiang Road, Kunshan City, Jiangsu Province, China

Sales Contacts

Tel: 0086-15921814956 0086-15800379719

Email: onbon@onbonbx.com

Second Development Tel: 0512-66589212

Email: dev@onbonbx.com

iLEDCloud

Website: <http://www.iledcloud.com/>



