onbon 仰邦科技

全系列LED控制器制造商 | LED应用系统专家

LED Controller

Specification

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Before you use the LED controller, please read this file first and save it for future

We will struggle and serve for the booming development of LED industry!

BX-6QL

Statement

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The specifications and information which are mentioned on the file is for reference only, if there's update, we will not inform you. This file is only for guidance, and all information will not be for any promises.

CATALOG

Brief Introduction

Thanks for ordering LED control card. The design of the control card is according to the international and industrial standard, but if the operations are incorrect, it will probably bring you personal injury and financial harm. As to avoid these and win more from your equipment, please obey the specifications of this file.

About Software

Cannot do any modification, decompilation, disassembling, decoding or reverse engineering on our software, it's illegal.

Characteristics

◆ Support small and medium size lintel full color screen, the best solution for lintel full color screen and LED Poster!

◆ Added "Smart search IP / automatically search device " function

◆ Match with BX-YY support Chinese/English Broadcast function,meet with all voice broadcast project requirements.Real-time preview the display effects, What You See Is What You Get on the display;

◆ More excellent picture moving speed and smooth performance technology

◆ On-board brightness / temperature / temperature and humidity sensor interface seat, On-board infrared remote control head socket.

◆ Rich interface ,more functional,more sophisticated technology, more stable performance.

Guiding

Safety note

◆ Input voltage is 5V, voltage range is from 4.5V-6.5V, please make sure the quality of the power supply of BX-6Q series.

◆ Please make sure that all the power supply cables are plugged off when you want to connect or plug off any signal or controlling cables.

◆ Please make sure that all the power supply cables and signal cables are plugged off when you need to put in or take off the hardware equipment.

◆ Please take off the power supply of LED video processor before you do any hardware operations, and ESD by touching the ground.

◆ Please make sure the environment is clean, dry and ventilated when you use this product, also, do not put this product to a high temperature and wet environment.

◆ This product is electronic products, please keep away from fire, water source and flammable&combustible products.

◆ There's high pressure components in this products, please do not open the box and repair it by yourself.

Function instruction

Based on powerful hardware platform, BX-6Q series support long lintel LED display,it is widely used in various large LED display and LED display system cluster . It is onboard one 100M enthernet interface, using MAC binding mechanism, no need IP settings, the system can automatically identify IP, automatic network connection. Network PCcommunication supports [direct connection, Ethernet connection, and server mode connection.

The BX-6Q series of carrying index and display effect have been greatly improved, the function is more abundant and more complete. The product supports high refresh rate, high gradation, and supports animation and video clips . It has   super smooth subtitles, variety font style, colorful border stunt.

With its excellent quality and performance, the product is mainly oriented to the network application, and supports the LAN and the Internet.It is a very good choice to meet the needs of a variety of complex applications.

Control size

The control area of BX-6QL ,Total pixel ≤16K: 512*32 256*64   128*128   64*256 , the control size IS flexible. With abundant display function.

Smart search IP

The product support automatic intelligent search for function, users do not need to manually enter the IP address, it is greatly improve user efficiency, reduce the IP address management and recording time. The product is simpler and easier to use, and the user experience is better.

Support Chinese and English broadcasting

6Q series products ,matched with the BX-YY modulecan support Chinese speech broadcast and English character broadcasting in any area to meet the needs of the project . And it also support English words and statements on the basis of customer needs. The content of the broadcast voice of the product can be consistent with the content of the display. It can also be inconsistent. It can be selected flexibly

according to the customer's demand. The product provides 6 voice styles, 11 voice speeds, 11 levels of volume, and the number of playback times (select the 16 level to support an unlimited number of times).

Multi area arbitrary collocation

Support multi areas play, Image, animation, subtitles, time, calendar, form areas collocation, User can add a variety of text, images, animation, subtitles, time ,lunar and form, to show images, text, animation, time, calendar, rolling forms on the screen

Cluster release program

It can be widely used in various lintel screen and LED advertising machine cluster display system. Through stable and efficient network control mode, users can achieve seamless docking of multi location LED screens, and facilitate users to remote centralized management and maintenance of all display screens distributed in different areas, so as to achieve cluster publishing programs.

Support 3G server mode

Through the use of B/S architecture, adopted centralized control and distributed management mode ar. After establishing the LED display server, users can login to the ONBON server through the browser (B/S mode), and centrally manage and distribute all the LED screens .

Timing sending program

Supporti send the program regularly, users only need to set the display time of the program in the software, the program will send the program exactly according to the set ted time,.

Time switch

The software has timer switch function . After setting the boot and shutdown time, the computer will automatically turn on and turn off , it is greatly improve the service life and reliability of the display. When the user is inconvenient to operate on the side of the computer, the timing switchgear can better realize the unattended function.

Test button

   With the increases of use time , the quality of the screen will also change. Therefore, the large LED screen needs regular display quality detection and correction. The product has   the function of self testing screen, the Users just need to flow simple operation steps, It can complete the brightness of the screen, , color detection, enabling customers to keep tracking of each LED the life of the screen.

Automatic Correcting Time

   The system will automatically correction time according to the real-time time,   just like the mobile phone and the computer, so that there is no need to manually calibrate the time and place the places that need not be specially installed to the LED display, it can automatically correction the time, so as to ensure the uniformity of the time of all display terminals at any time.

Colorful border

   The software has many types of colorful border, which provides a rich and colorful eye-catching border. A variety of colorful border to can meet end users demand and use on different applications, greatly improving the broadcast effect of the program.

Sensor

   It is onboard   temperature, humidity, brightness sensor interface, it can accurately measure and display the temperature, humidity, brightness value. Provide accurate and accurate data reference users where the   temperature, humidity or noise need to be strictly controlled, so as to avoid unnecessary losses caused by improper temperature, humidity or noise control.

Multilingual

   The system includes many kinds of font, such as multiple simplified Chinese text and traditional font, the software supports over   20 languages, such as English,Korean, Japanese, Greek, French and so on. The product is suitable for users from all over the world.
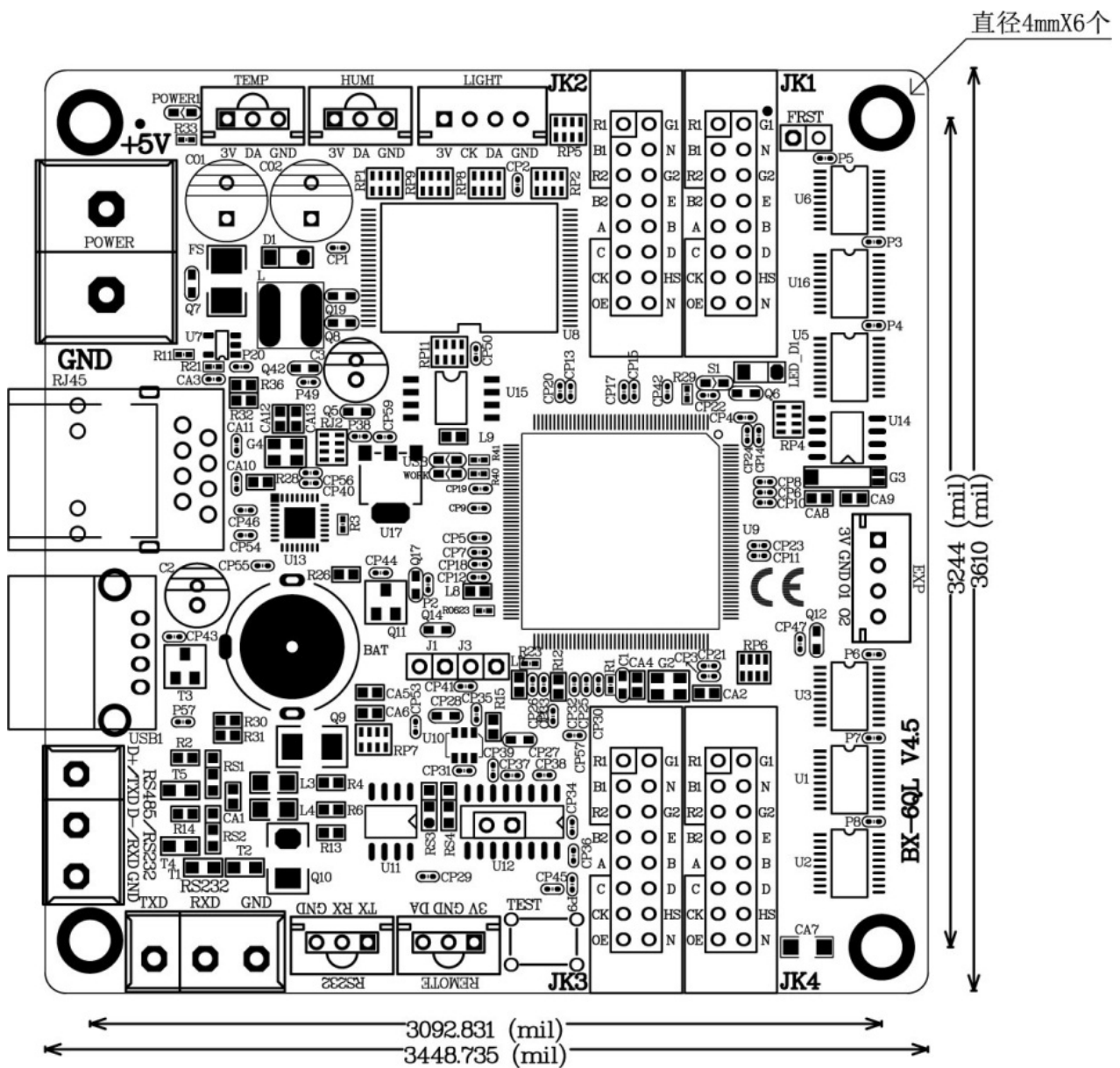
Technical specifications

Screen index	
Parameter	Specifications
Control size	512*32、256*64、128*128、64*256
Total pixels	16KPixels
Maxmum Width	512 Pixels

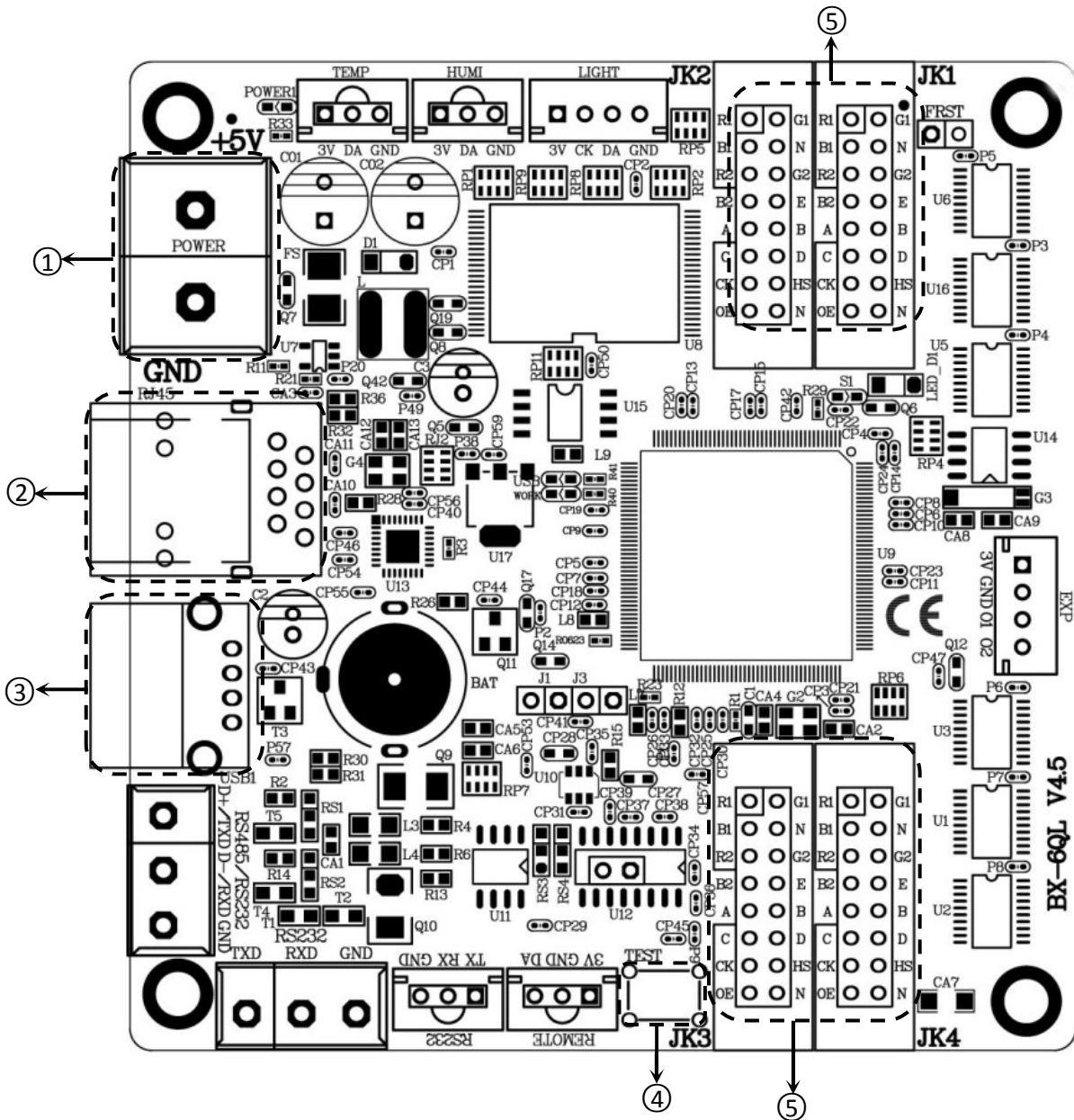| Specifiction	
Working voltage	3.5V～6.5V；　Please be sure the good quality of power
Maximum power	≤10W
Working temperature	-40℃～80℃
Dimension	86Qm∅90mm

Technical specifications	
Storage capacity	512MByte
Screen types	All kinds of small and middle size full colors LED screen
Software function	Screens cluster management/multi-program/multi-areas display/multi-languages
Program type	Normal/global/real-time/shared/self-adapted program
Program quantity	Support 1000 programs,32 areas for each program
Area　type	Picture and text/single line text/animation/lunar calendar/digital clock/analogue clock/timer/temperature/temperature & humidity
Frame mode	Most advanced colorful and magic graphics frame
Time mode	Analogue clock/digital clock/timing and counting-down timer (support multi-groups)
Communication mode	Standard configuration 100M Ethernet and USB port
Interface	4 nos T75
Sensors supported	Support temperature and temp&humidity sensor
Remote control	Remote control program/lock screen/brightness adjustment/power on/off /screen test
Bright regulation	16 grades brightness, manual and auto-timing adjustment
Power on/off mode	Auto-timing powered on/off /software power on & off/remote power on&off

Voltage	5V（3.5V～6V）
Maximum power	≤2W
Temperature	-40℃～80℃
Secondary development	Provide the DLL and corresponding demos
Software	Ledshowtw
User manuel	LedshowTW user manual

Size diagram

Interface

Interface description		
1	Power	5V Power interface, DC voltage input，rated voltage 5V, support

		3.5V～6V
2	100M	Ethernet interface, Fast Ethernet, connected to the computer
3	USB	USB interface,Support usb disk upload program
4	TEST	Test buttom
5	T75 interface	T75 interface（JK1、JK2、JK3、JK4）

Contact Us

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