X-W16 Specifications

Version：V1.0   Release date：2020.01.14

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

◆ Built-in WIFI antenna, strong WiFi signal, stable communication and fast speed;.

◆ On board USB interface , USB transfer distance ≤15M ;

◆ Support 8 area 128 programs.

◆ Synchronous preview on editing;

◆ Adjust moving speed of program, more smooth;

◆ More convenient operations, more complete software functions;

◆ More perfect products design, more detailed on quality;

◆ More excellent technology, more outstanding performance;

◆ More abundant products series, more perfect solutions;

Guiding

Safety Notes

◆ Input voltage is 5V, voltage range is from 3.3V- 6V please make sure the quality of the power supply of X-W 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 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.

◆ Turn off the power supply immediately when you find smoking, peculiar smell or something unusual. And contact with us soon

Function

X-W16 is one of the X-W series products of single core wireless WiFi controller. It has the characteristics of high product integration, high signal sensitivity, fast data transmission speed, easy structure installation, use and maintenance. Based on the deep understanding of the user's use scenario and the improvement and optimization of the traditional WiFi control card, the X-W series products adopt the on-board antenna scheme, with a new built-in communication module, the transmission is stable and smooth, and the transmission distance can reach 20 meters.

The advantages of WiFi control cable free and fast mobile phone operation are welcomed by end users. X-W series products are widely used in the market due to their simple use, convenient operation, stability and reliability.

Control size

Based on powerful hardware platform the product, support large LED display, single color ≤ 128K：2048*64、1024*128、672*192、512*256，双色≤64KPixels：1024*64、512*128、336*192、256*256， with a maximum width2048 pixels，the control area of flexible and abundant display function.

No need lan cable

X-W series wireless LED controller will truly realize the wireless connection of the product. Users can save costs, , effectively save energy consumption, and also save the tedious wiring engineering, which greatly improves the cost performance.

Notebook direct connection

The product supports 100M Ethernet network, the data transmission speed is fast, stable and reliable, and the installation and use of the controller is extremely simple and easy to learn. The product has a wide range of applications, generally within 100 meters, notebook computers can be directly connected. At present, the built-in WiFi is the standard configuration of notebook computers,

so users can use X-W series wireless LED controller economically and easily.

Support Ledshow APP

Users can use ledshow APP to set parameter and send programs , search through mobile app, automatically add screen, control switch, brightness, volume, etc. Editing program, adding video, text, picture, time area, timing area, sending program, sharing program and other functions can be easily realized. The software supports functions such as multi line display, dynamic preview, multi language, adding video transcoding, optimizing image and video display effect.

Multi area arbitrary collocation

Support multi content display,use can add Image/text/animation/lunar calendar/digital clock/analogue clock/timer/temperature/temperature & humidity/noisy,ect then rolling display these collocation contents

Cluster management

Through a stable and efficient network control mode, users can seamlessly connect multiple LED screens which was distributed in different regions remote centralized management and maintenance,cluster release programs. In addition to send programs with the cluster, but also cluster settings boot, shutdown, correction time , time switch and brightness adjustment ect.Which can reduce the time user operation and management of the LED screen , greatly improve their work efficiency

Timing sending programs

Supporting send programs regularly, users only need to set the time of the program in the software, and the program will send the program exactly according to the set time.

Timing power on/off

The Ledshowtw software has the function of timer switch. After setting the boot and shutdown time, the computer will automatically turn on and turn off on time, so that we can make reasonable use of manpower and material resources, and 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 switch-gear 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 and stunt

The Ledshowtw software has build-in colorful border and super stunt, as guest editor broadcast programs provide rich and colorful eye-catching border and cool exciting stunt change. A variety of colorful border to meet customer needs and different editing applications, greatly improving the broadcast effect of the program.

Sensor

X-W series on-board temperature, humidity, brightness sensor interface, can accurately measure and display the temperature, humidity, brightness value. Provide accurate and accurate data reference for customers in places where 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.
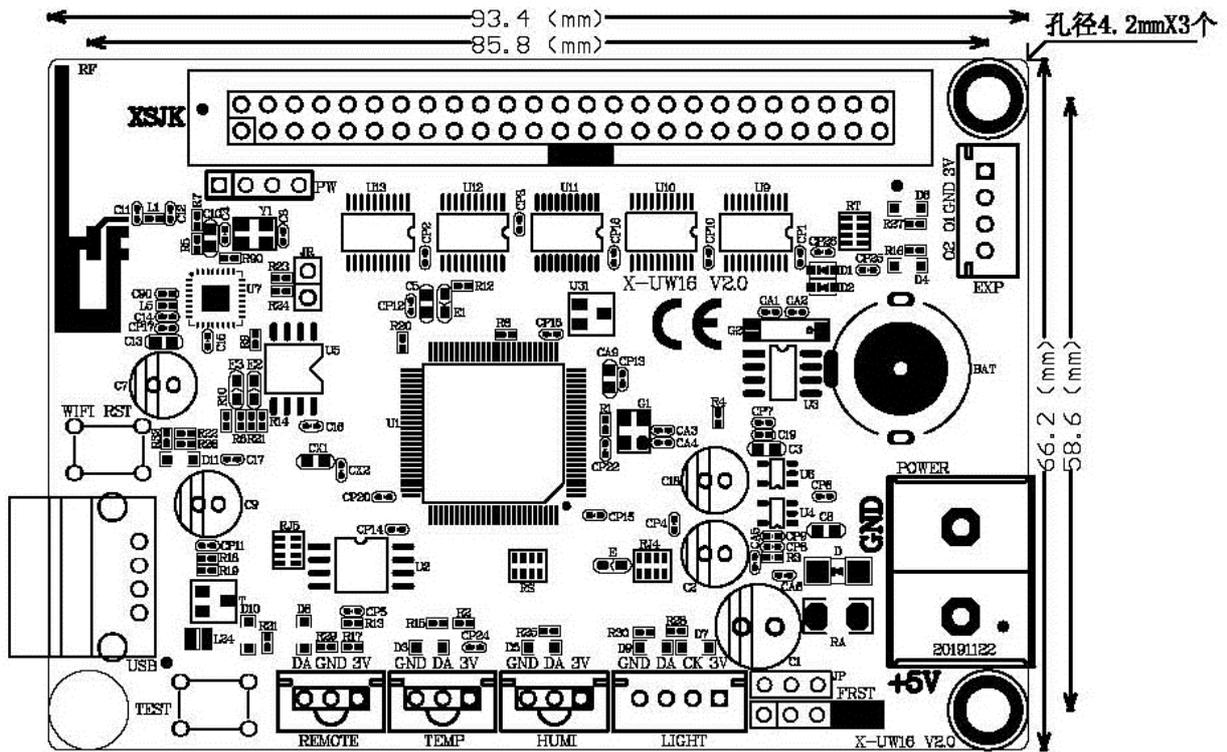
Technical parameters

Technical parameters	
Control area	Single color 128K Pixels：2048*64、1024*128、672*192、512*256
	Dual color 64K Pixels：1024*64、512*128、336*192、256*256
Memory storage	2MByte
Screen types	All kinds of single , double,tri colors LED screen
Program quantity	Screens cluster management/multi-program/multi-areas display/multi-languages
Program types	Normal/Shared program
Program quantity	Support 128 programs,8 areas for each program
Area type	Image/text/animation/lunar calendar/digital clock/analogue clock/timer/temperature/
Frame mode	Most advanced colorful / magic graphics frame/Area frame
Clock	WIFI＋USB
communication interface	1 nos 50PIN
Interface	Temperature /humidity/noise
Sensor	Remote control program/lock screen/brightness adjustment/power on/off /screen test
Remote control	16 grades brightness, manual and auto-timing adjustment/remote control
Bright	Auto-timing powered on/off /software power on & off/remote power

regulation	on&off

Details

Input power supply	5V（3.5V～6V），Please make sure the quality of power supply.
Power Dissipation	≤2W
Temperature	-40℃～80℃

Wireless communication

Communication protocol	Wireless and transparent data transmission; SUPPORTTCP/IP/UDP； Support routing / bridging mode network architecture; Supppot 802.11b/g/n wireless standard； Support heartbeat signal and WiFi connection indication;
Transmission distance	≤25M （Recommended transmission distance≤15M）
Wireless standards	802.11 b/g/n
Working frequency band	2.412GHz-2.484GHz
built-in antenna	built-in antenna

DEMENSION

Interface

Interface		
1	Power	5Vpower interface ,DC volts, standard 5V ,support 3.5V ~ 6V)
2	TEST	Test button
3	USB	U interface，Support usb disk upload program
4	WIFI RST	WIFI Reset interface
5	50PIN	50PIN（XSJK）
6	REMOTE	IR controller interface

7	TEMP	Temperature interface
8	HUMI	Temp&Humi interface
9	LIGHT	Brightness sensor interface

Contact Us

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