Stand-alone LAN Controller M50

Product Specifications

Version：Ver.2.0

Statement

Dear user friend, thanks for choosing Shanghai Xixun Electronic Technology Co., Ltd. (hereinafter referred to as Xixun Technology) as your LED advertising equipment control system. The main purpose of this document is to help you quickly understand and use the product. We strive to be precise and reliable when writing the document, and the content may be modified or changed at any time without notice.

Copyright

The copyright of this document belongs to Xixun Technology. Without the written permission of our company, no unit or individual may copy or extract the content of this article in any form.

Trademark

is a registered trademark of Xixun Technology.

1 Update Record

No.	Version	Remark	Date
1	Ver.1.0	Initial Release	2018.05.01
2	Ver.1.1	Picture Modification	2019.03.14
3	Ver.1.2	Parameters Correction	2019.10.18
4	Ver.2.0	Add Accessories	2020.03.04

Note: The contents of the document are subject to change without notice.

.

2Functions

With the development of LED display industry, in some fields, it is necessary to support wireless transmission, need control card to access the network through WiFi, and need to be able to control through mobile phone. M50 product to meet the requirements, you can eliminate the wiring trouble, like a router for wireless network configuration.Onboard WiFi module , realize wireless communication , Support AP mode,station mode；

1. Onboard WiFi module to realize wireless communication；

2. Support AP mode,Station mode；

3. Built-in Web Sever, support for local web page production, support computer, iPhone, Android phone, tablet stand-alone program editing, cross-platform system fully compatible；

4. Video hard decoding, support 1080P；

5. Support mainstream video, picture formats and text editing；

6. Dual network ports with super load capacity， 1.3 million pixels， most wide1920 pixel，highest 1080 pixel；

7. Support full color static to 32 scan module；

8. Conventional chips with high refresh, high brightness, and high grayscale；

9. full chip support full range drivers IC such as Juji, Jichuangbeifang, Riyuecheng, Mingyang, etc；

10. Industrial-strength onboard Flash: 8GB;

11. Support Xixun Multi-function Card R20E (Integrated brightness, temperature and humidity)

12. Support receiving card storage parameters (for use with the ninth generation receiving card)；

13. Supporting software: LedOK Express.

3Product Appearance

4Interface Parameters

【**USB1**】USB-OTG；

【**USB2**】USB-HOST；

【**PC/NET**】Connect a PC or router；

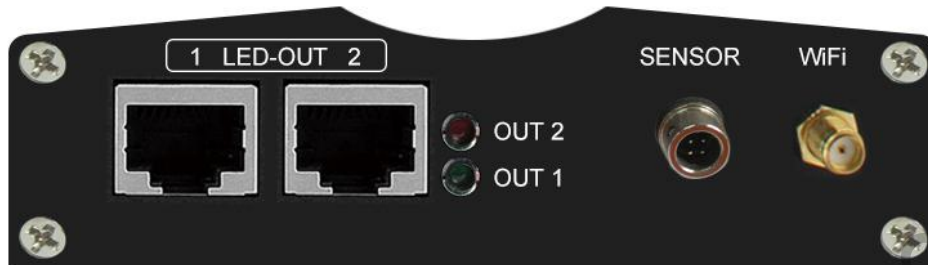【**AUDIO**】3.5mm audio output；

【**DISP**】FPGA working indicator (red light), normal uniform slow flashing；

【**PWR**】Power indicator (red light), working normally；

【**WiFi**】WiFi networking indicator (green light), normal connection uniform slow flash；

【**RUN**】System operation indicator light (green light), system normal operation uniform slow

flash；

【**DC-IN**】DC5V3A Power input；

【**1 LED-OUT 2**】 Connect to the receiving card's Gigabit Ethernet port；

【**OUT 2 OUT 1**】Receiving card communication indicator. When receiving card communication is normal, OUT1 indicator flashes green and OUT2 indicator flashes red；
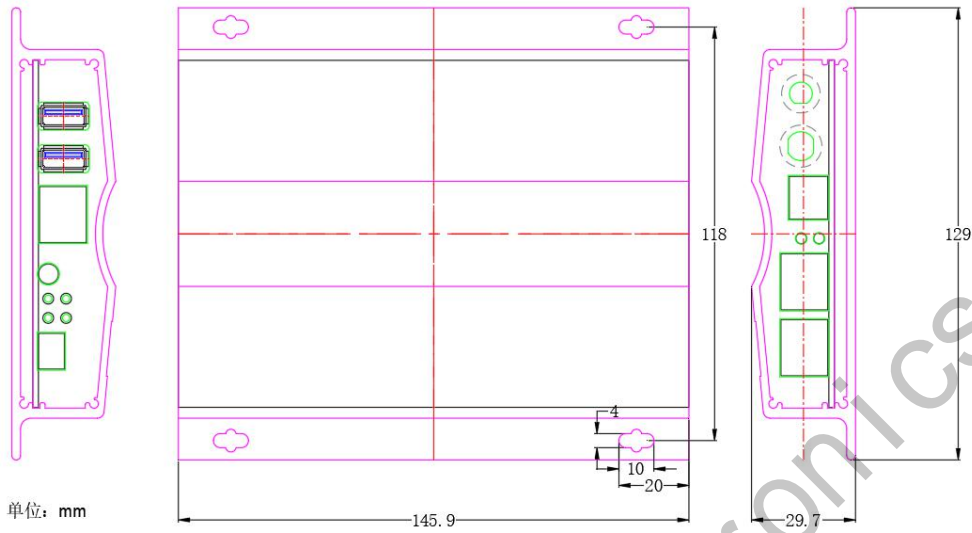
【**SENSOR**】 Connect R20E function card, integrate infrared, temperature, humidity, light probe interface, used to measure the ambient temperature and humidity and automatically adjust the screen brightness according to the ambient brightness；

【**WiFi Antenna**】External WiFi antenna to enhance signal。

5Working Conditions

General Parameters	
Working Voltage（V）	4.5～5.5
Maximum Working Current（A）	2
Maximum Working Power（W）	10
Working Temperature（°C）	- 25～+ 70
Storage Temperature（°C）	-40℃～70℃，recommend 5℃～35℃
Working Environment Humidity (%)	10%～90%，No Condensation
Size（mm）	145.9（length）×129（width）×29.7（height）
Weight（g）	400

6Installation Dimensions

单位：mm

118

145.9

4

10

20

129

29.7

unit: mm

7 Accessories

Standard Accessories	Quantity
WiFi Glue stick antenna	1
5V3A Power adapter	1

(If you need other accessories, please place an order)

Optional Accessories	Accessories Features
R20E	Integrated automatic brightness, temperature, humidity sensing probe

Matched Accessories (Optional, additional models are available according to the order)

8 Cautions

1. Forbidden to disassemble the product by yourself.

2. Do not plug or unplug antennas while while power is on.