

Receiving Card R12 Product Specification

1 Product overview

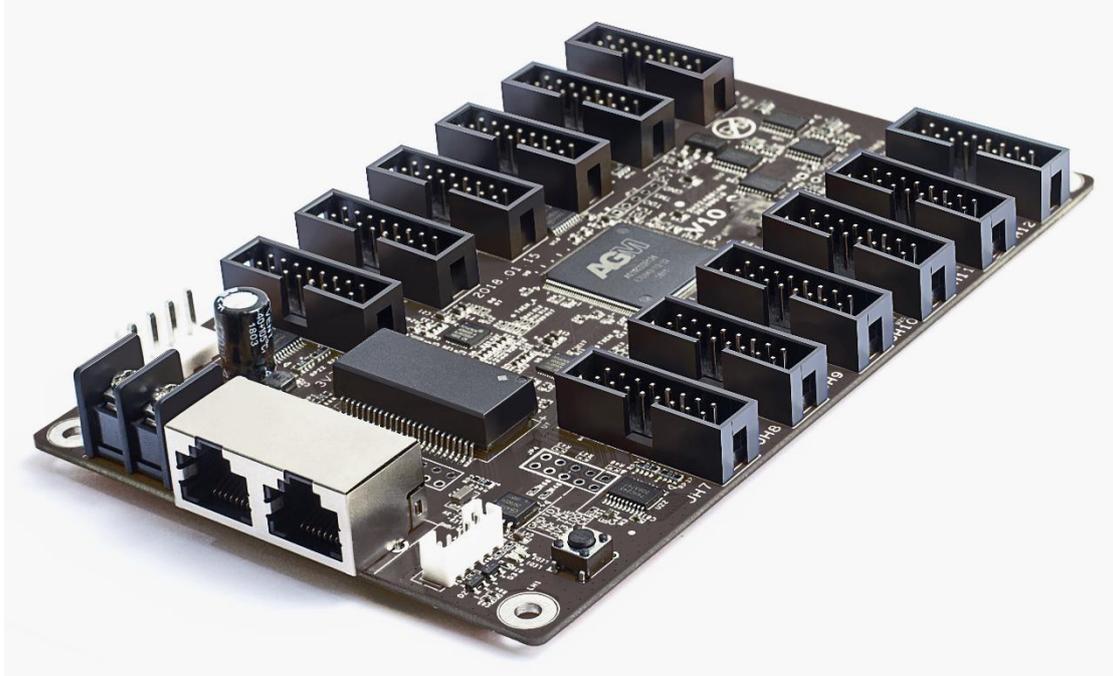
1.1 Product application

The R12 receiving card is a receiving device for displaying data in the control system of the LED display screen, which is used to convert the received data into the control signal of the module.

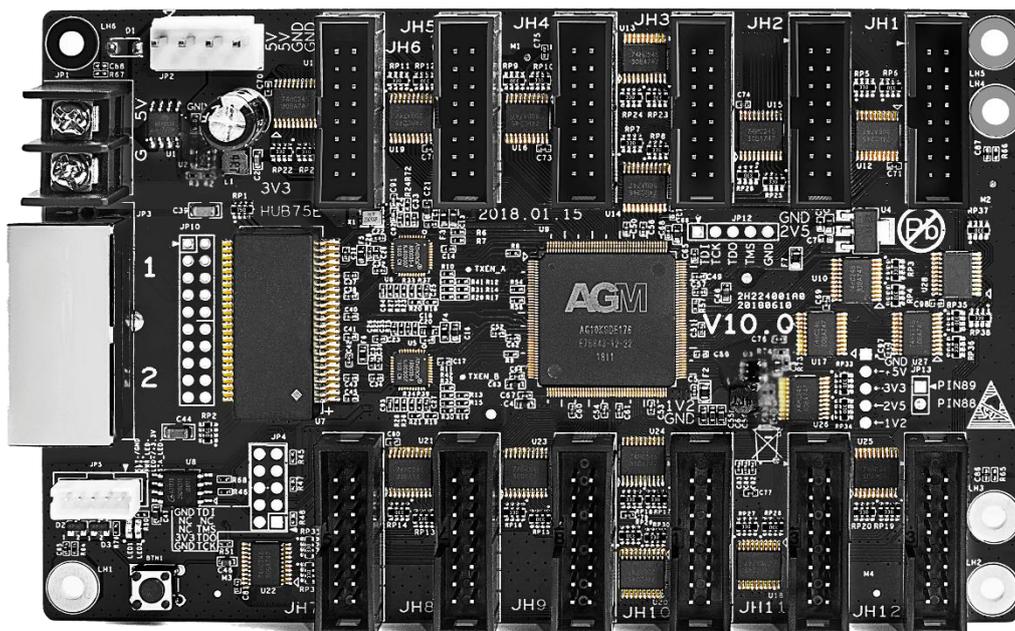
1.2 Functional characteristics

- Single card 12 standard HUB 75E interfaces, output 24 groups of RGB data.support resolution 98K.
- Support all common chips, PWM chips, dual latch chips.
- The Unique color rendition technology to present the real color of the shin
- The Unique arbitrary frequency doubling technology free your cellphone from scanning line.
- Supports high gray, high refresh, low brightness and high gray display.
- Configuration file read-back supported
- One key repair function, change card without worry
- Real-time detection of network communcation state and detection of network line connection sequence supported
- Arbitrary pumping point supported, it is easy to implement all kind of special-shaped LED screen
- Program upgrade; strong anti-interference ability; No fear of power break
- Comply with EU Rohs, FCC, CE standard

2 Product appearance



3 Interface signal definition



3.1 HUB75 Interface of 12 pcs 16P Standards (JH1-JH12)

Definitions are as follows:

Pin	Definition	Pin	Definition
1	R0	2	G0
3	B0	4	GND
5	R1	6	G1
7	B1	8	E
9	A	10	B
11	C	12	D
13	CLK	14	LAT
15	OE	16	GND

Description: E signal can be used as blanking control foot when the screen scan is less than 16, and E signal when the screen scan is larger than 16.

3.2 Indicator lamp holder(JP5)

Pipe pins are defined as follows:

1	2	3	4	5
STA_LED	LED+ / +3.3V	PWR_LED-	KEY+	KEY- / GND

4 Indicator status description

指示灯状态	
LED1	The power indicator light is red, and the power supply is normal when it is always on, while the power supply is not on when it is off.
LED2	Equipment operation indicator is green, flashing when signal is input, not bright or always bright when no signal is input.

5 Electrical parameters

project	parameter values
Rated voltage	DC 3.5V-6V

Rated current	0.6A - 1.0A
working temperature	-10°C - 70°C
Working humidity	0% - 95%

6 Dimension drawing

Unit mm

