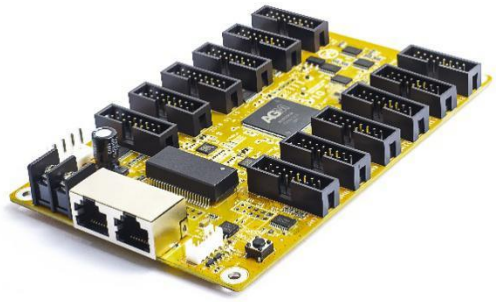
Receiving card
G612

Specification



Beijing Kystar Technology Co., Ltd.

Overview

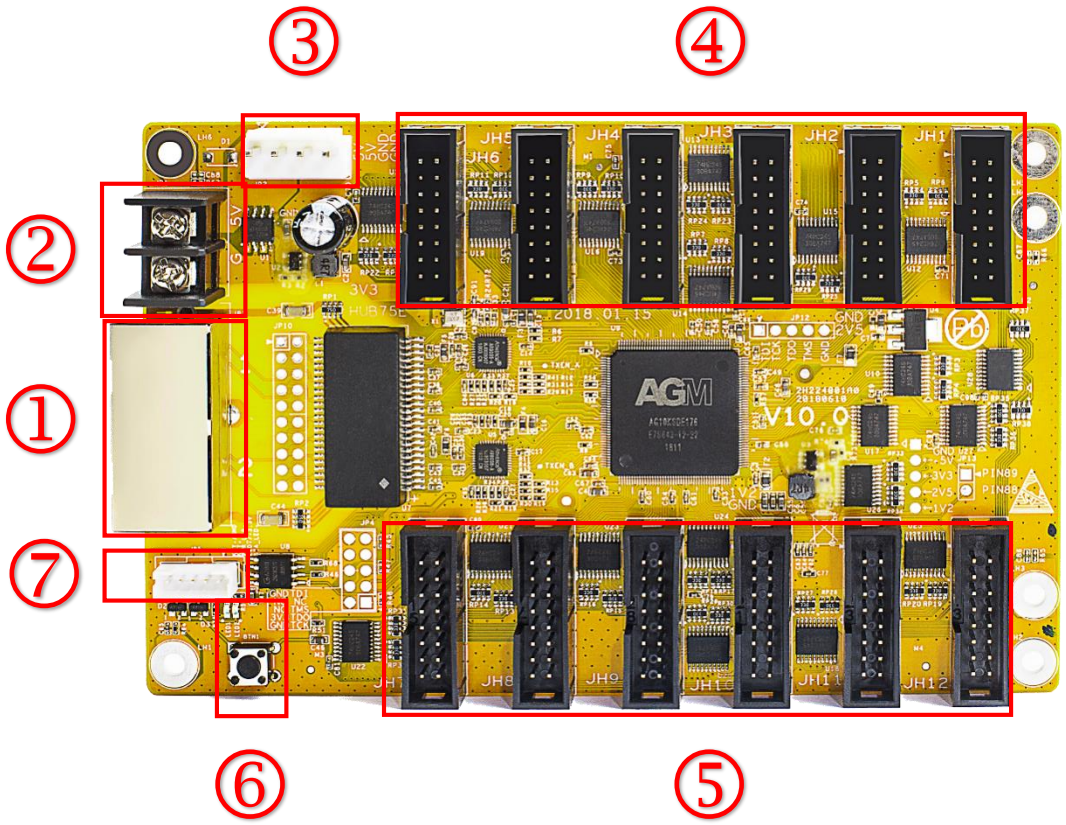
Kystar Gold Card Series G612 Receiving Card is an important part of the LED large screen control system. It receives data from the sending card, decodes and converts it into module control signals, and works with the sending card to form a LED large screen control system. . Adopt the industry's top design technology and meet international and industry standards.

The gold card receiving card G612's unique color conversion technology makes the human face more realistic; the unique arbitrary frequency multiplication technology, no scanning line for mobile phone shooting.

Features

- 12 standard interfaces on a single card, output 24 sets of RGB data.
- Supports multiple general-purpose chips, PWM chips, and dual-latch chips.
- Unique arbitrary frequency multiplication technology, no scanning line for mobile phone shooting.
- The unique color conversion technology makes the human skin color more realistic.
- Support high gray, high brush, low brightness and high gray display.
- The details are processed perfectly, which can eliminate the problem of dark, reddish gray, and ghost in a row.
- Supports point-by-point correction of brightness and chrominance, providing correction for low-gray compensation to ensure low-gray effect.
- Supports one-click readback of configuration file information.
- Support one-click repair function, worry-free when changing cards.
- Support real-time monitoring of network communication status and detection of network cable connection sequence.
- Supports random drawing and easy setting of various special-shaped screens.
- The program is write-protected, and there is no trouble in case of power failure during the upgrade.

Appearance



Serial number	Function Description
①	Two Gigabit Ethernet ports, no distinction between input and output
②	Terminal block provides 5V voltage, 5V and GND
③	4P in-line connector, providing 5V voltage, 5V and GND
④	16P cable outlets JP1 to JP6 (from right to left)
⑤	16P cable outlets JP7 to JP12 (from left to right)
⑥	LED signal status indicator, test button
⑦	JP5, docking LCD color screen display receiving card operation status

Port specifications

Sixteen 8P output ports (JH1-JH8) The ports are defined as follows:JH1-JH8								
Pin	1	3	5	7	9	11	13	15
definition	R1	B1	R2	B2	A	C	CLK	OE
Pin	2	4	6	8	10	12	14	16
definition	G1	GND	G2	E	B	D	LAT	GND

Note: The E signal can be used as a blanking control foot when the display scan is less than 16 scans, and as an E signal when the scan is greater than 16 scans.

JP5 definition					
Pin	1	2	3	4	5
definition	STA_LED	LED+/+3.3V	PWR_LED-	KEY+	KEY-/GND

Indicator status	
LED1	The power indicator is red. If it is steady on, it means that the power supply is normal. If it is off, it means that it is not powered on.
LED2	Device operation indicator is green, flashes when there is signal input, does not light or stay on when there is no signal

Machine specifications	
Input power	3.5-6V 0.6-1A
Operating temperature	-10℃ - 70℃
Working humidity(%)	0%-95%
Supported screen types	Full color real pixels
Number of cascade receiving cards for a single network cable	<200
Pixel area on a single receiving card	128*768，MAX 98000
Number of RGB data sets output by a single receiving card	24
Working current	0.6A - 1.0A
Extreme working temperature	-20℃ - 75℃

Attachment: equipment size chart **Unit mm**