# Product Specifications

Receiving card

**HD-R612**

V0.1 20190829

# 1. Overview

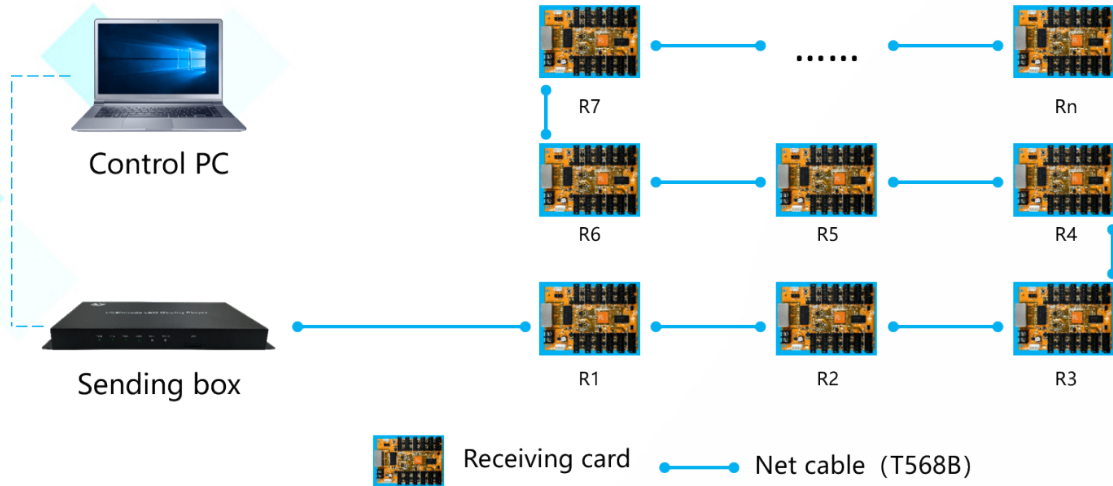R612, on-board 12*HUB75E ports, compatible with R500 / R501 / R5018 / R512 / R516.

The R612 is a dedicated receiving card for the module with LS9929/9919 chip. It can also be used as a conventional receiving card with a limit control range of 128*1024.
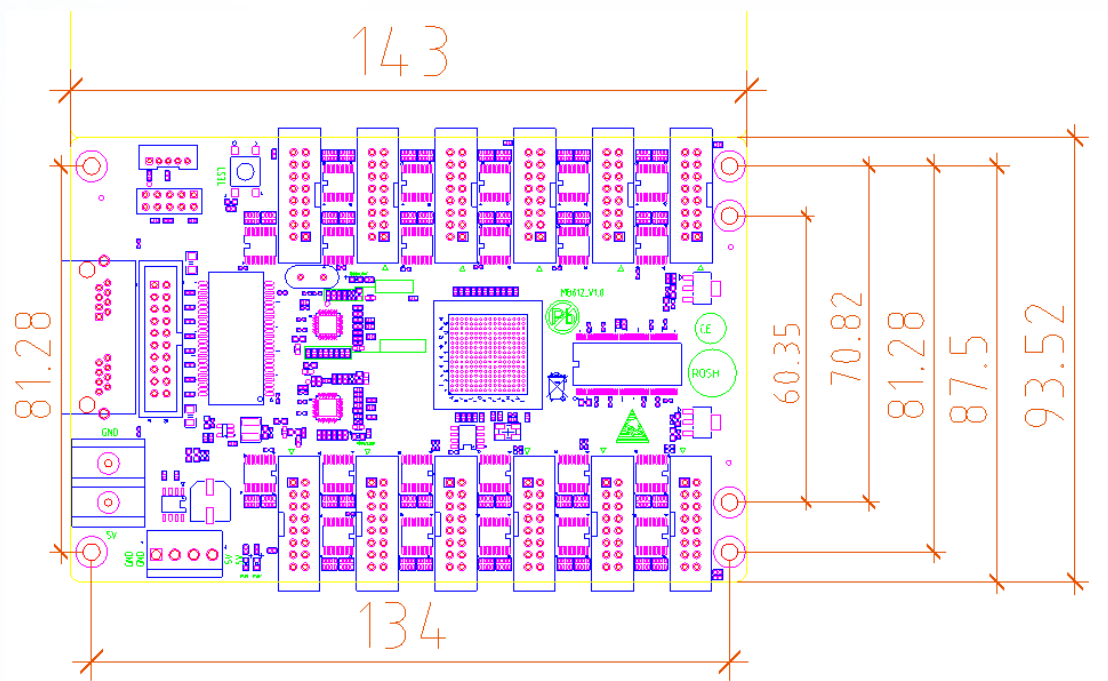
# 2. Parameters

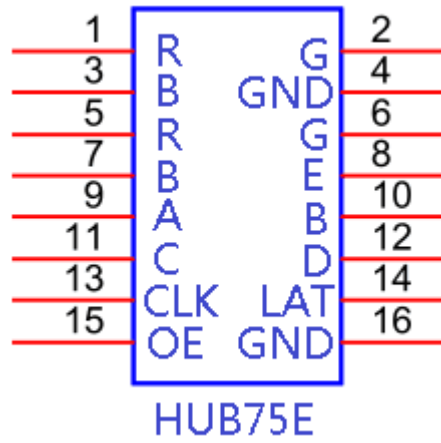| With sending card | Dual-mode sending box，Asynchronous sending card, Synchronous sending card, Video processor of VP series. |
|---|---|
| Module type | Compatible with all common IC module, supported most PWM IC module. |
| Scan mode | Supports any scanning method from static to 1/64 scan |
| Communication method | Gigabit Ethernet |
| Control range | Maximum recommend：98,304 pixels (128*768)<br>Outdoor module width ≤256, Indoor module width ≤128 |
| Multi-card connection | Receiving card can be put in any sequence. |
| Gray scale | 256~65536 |
| Smart setting | A few simple steps to complete the smart settings, through the screen layout can be set to go with any alignment of the screen unit board |
| Test functions | Receiving card integrated screen test function,Test display brightness uniformity and display module flatness. |
| Communication distance | Super Cat5,Cat6 network cable within 80 meters |
| Port | 5V DC Power*2,1Gbps Ethernet port*2, HUB75E*12 |
| Input voltage | 4V-6V |
| Power | 5W |

# 3. Connection Method

Connection diagram of connecting R612 with player A6：
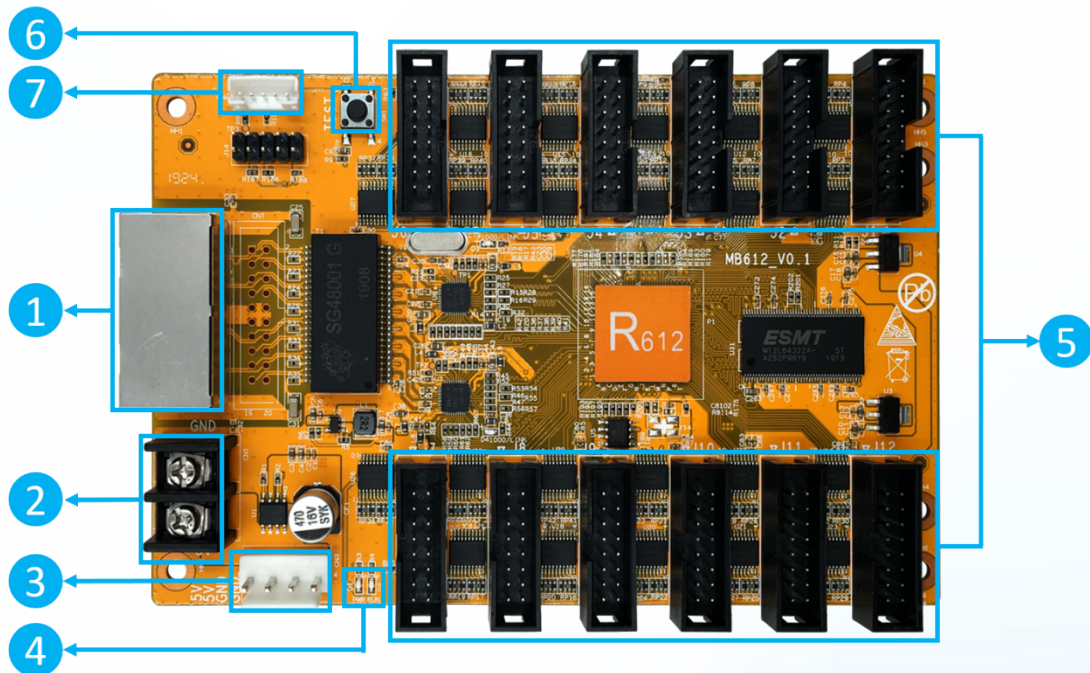


# 4. Dimensions

# 5. Interface Definition



HUB75E

# 6. Appearance Description



①：Gigabit Ethernet port, used to connect the sending card or receiving card, the same two network ports are interchangeable,

②：Power interface, can be accessed with 4.5V ~ 5.5V DC voltage；

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④：Work indicator, D1 flashes to indicate that the control card is running normally; D2 flashes quickly to indicate that Gigabit has been recognized and data is being received.

⑤： HUB75E port，connect to the modules,

⑥：Test button, used to test display brightness uniformity and display module flatness.

⑦：External indicator light, run light and data light.

# 7. Technical Parameters

| | Minimum | Typical | Maximum |
|---|---|---|---|
| Rated voltage(V) | 4.2 | 5.0 | 5.5 |
| Storage temperature(℃) | -40 | 25 | 105 |
| Work environment temperature(℃) | -40 | 25 | 80 |
| Work environment humidity (%) | 0.0 | 30 | 95 |
| Net weight（kg） | 0.096 | | |
| Certificate | CE, FCC, RoHS | | |

## Precautions

1）ensure the system long-term stable running, please keep to use the standard 5V power supply voltage.

2）Different production batches, color appearance and labels may be different.