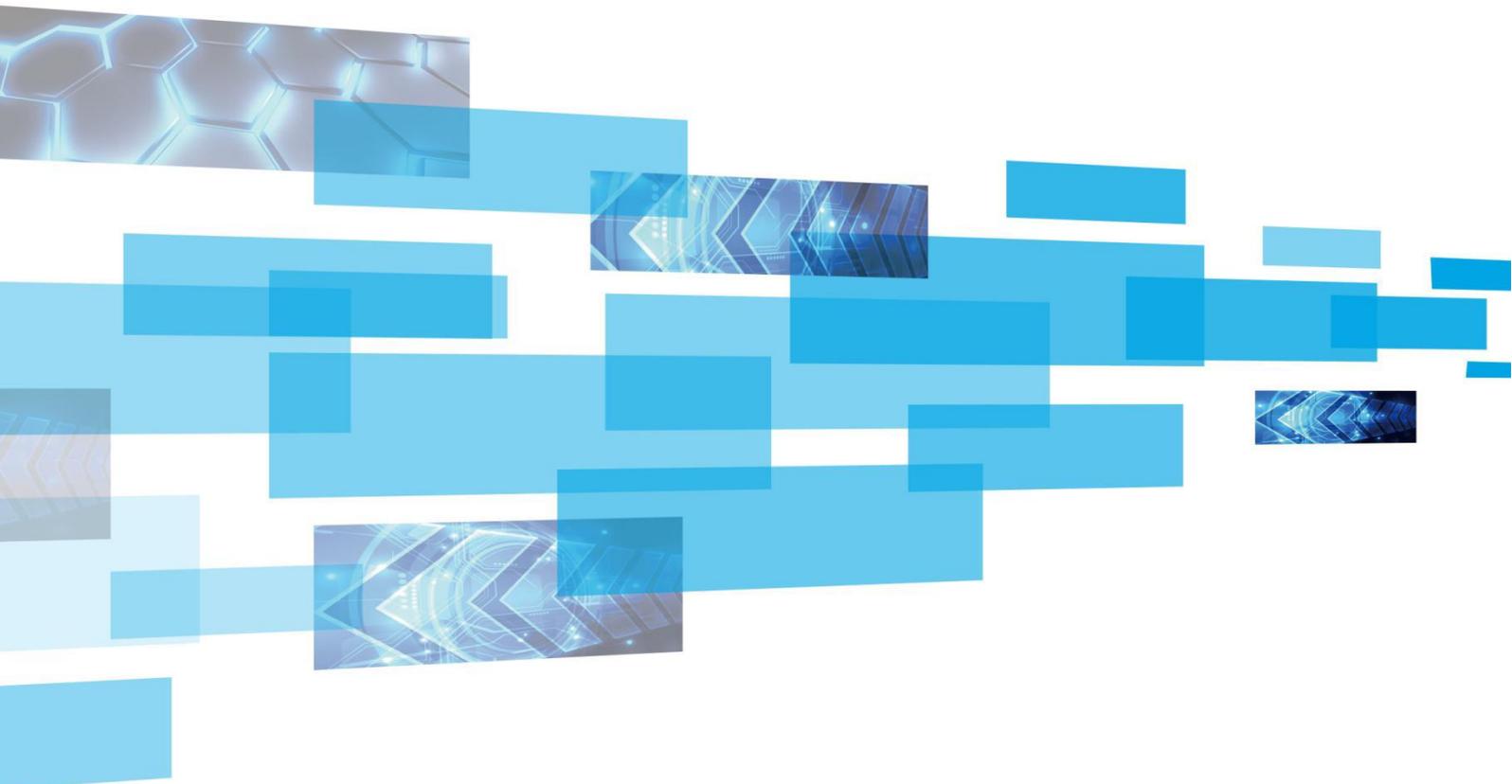


# Standard Receiver Card D70-75



## Product Datasheet

Version: Ver.1.0

## **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.

# Update Record

---

NO.	Version No.	Updates	Revision Date
1	Ver.1.0	Initial issue	2021.04.14

The document is subject to change without prior notice

Shanghai Xixun Electronics Co., Ltd.

# Product introduction

---

D70-75 is a standard receiving card launched by Xixun Technology. It adopts 16 standard HUB75E interfaces and supports up to 32 groups of RGB parallel data. Load up to 512X256 pixels; It has strong processing capacity, super stable performance and high cost performance.

## Product Feature

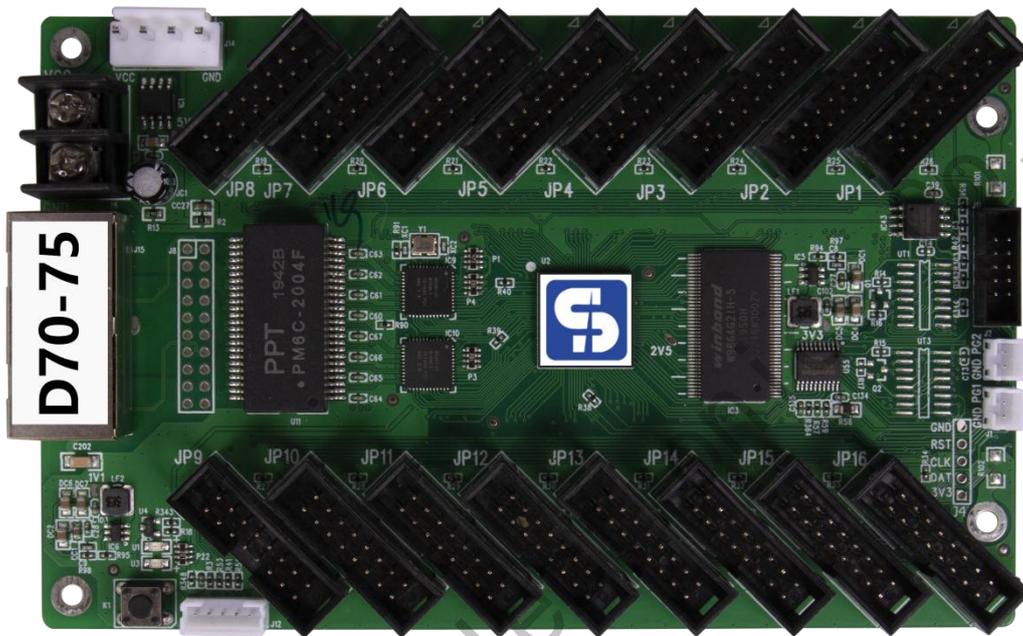
1. With MCU design, improve the flexibility of product application;
2. Support hardware online reset function;
3. Powerful compatibility of driver chip.

## Application scenarios

It can be widely used in the field of high density and small spacing display, and has significant advantages in the application scenarios such as command center, monitoring center, large conference, TV broadcast, hotel exhibition projects, etc.

# Product Pictures

---



Shanghai Xixun Electronics Co., Ltd.

# Function

---

D70-75 is a standard receiver card launched by Xixun. It has the following functions: Integrated 16 HUB75E interfaces:

1. The single card can carry 512\* 256pixels.
2. The conventional chip has high refresh, high brightness and high gray scale.
3. Support receiving card parameters read back.
4. With network cable hot backup function.
5. Supports all receiving cards parameters monitoring function.
6. Accord to ROHS standard.
7. Accord to CE-EMC standard.

# Load Capacity

---

Three parallel lines (RGB)	Maximum load (Pixels)	Brightness correction band load (Pixel)	Chromaticity correction with load (Pixels)
32 group	512*256	512*256	512*160

Number of cascade cards	Support scan line		
< 200	1-64 sweep		

# Function Definition

---

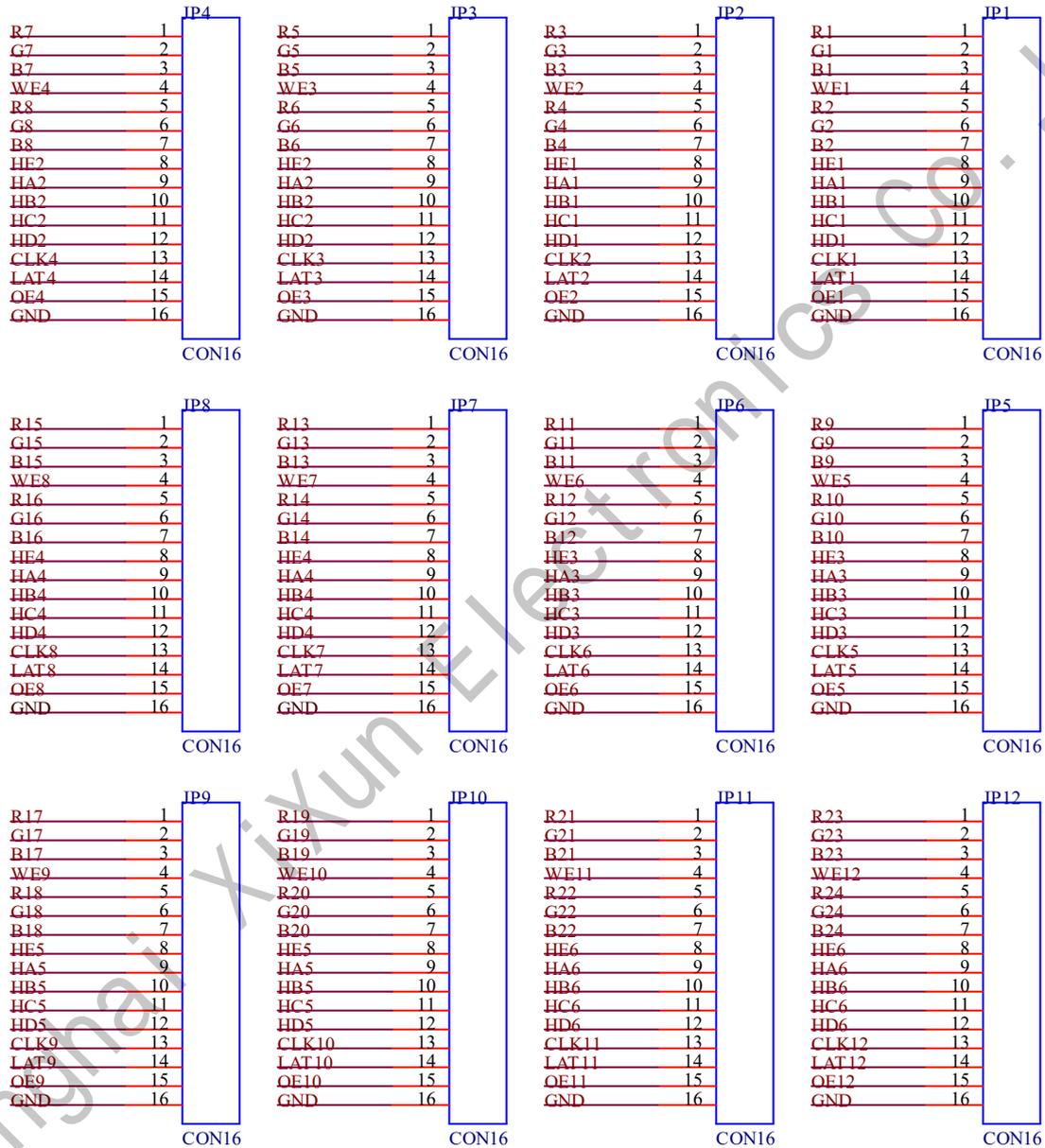
<b>Function</b>	<b>Instructions</b>
<b>Improved Display Effect</b>	<ol style="list-style-type: none"><li>1. Support multiple display effects schemes: With LedSet3.0 software to achieve refresh priority and grayscale priority effects.</li><li>2. Support screen rotation by 90° multiple: With the LedSet3.0 software to realize, it can rotate the screen of the receiving card by 90° multiple.</li><li>3. Support screen zoom function: With LedSet3.0 software, the receiving card pixels can be scaled by multiples, and the screen can be enlarged and reduced.</li></ol>
<b>Improved Operability</b>	<ol style="list-style-type: none"><li>1. Support receiving card serial number detection: Cooperate with the network debugging function of LedSet3.0 software, the receiving card number and network port information will be displayed on the target box, and the user can obtain the location number and connection line of the receiving card.</li><li>2. Support data interface customization: With</li></ol>

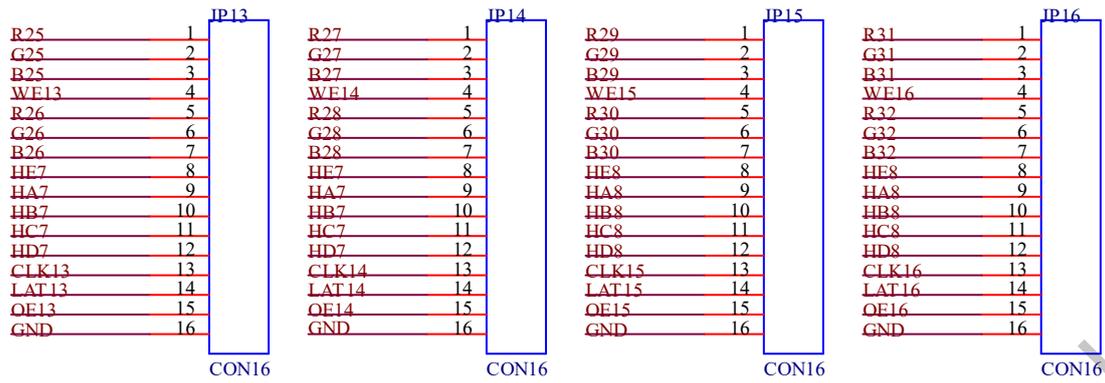
	<p>LedSet 3.0 software, the output data of the receiving card can be detected and edited.</p> <p>3. Supports the construction of complex box: With the advanced layout of LedSet3.0 software, you can quickly arrange and structure the box modules.</p> <p>4. Supports the construction of complex large screens: In the complex display connection with LedSet3.0 software, the boxes can be quickly arranged and structured arbitrarily.</p>
<p><b>Improved Hardware Stability</b></p>	<p>1. Network port hot backup: Network ports increase the reliability of serial connection of the receiving card through the loop connection of the main and standby network cables. When one of the main and standby series lines fails, the other can ensure the normal display of the screen.</p> <p>2. Support hardware reset function: The receiving card can restart the online hardware by itself after the hardware online upgrade is completed.</p>

<p><b>Intelligent Software Upgrade</b></p>	<ol style="list-style-type: none"><li>1. Support receiving card configuration parameter readback: Can read back the current receiving card configuration parameters on LedSet 3.0.</li><li>2. Support network cable bit error rate detection: On LedSet 3.0, the quality of the network cable communication signal connected to the system hardware can be monitored in real time to quickly judge the quality of the network cable and troubleshoot.</li><li>3. Communication monitoring function : Monitor the working status of the receiving card in real time on LedSet 3.0.</li></ol>
--	---

# Output Interface Definition

32 parallel data interface definitions





### JP1-JP16 Data Interface Definition

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

### J12 Definition:

Pin	1	2	3	4	5
Definition	GND\KEY-	KEY+	LEDR-	3V3\LED+	LEDG-

# Indicator Description

---

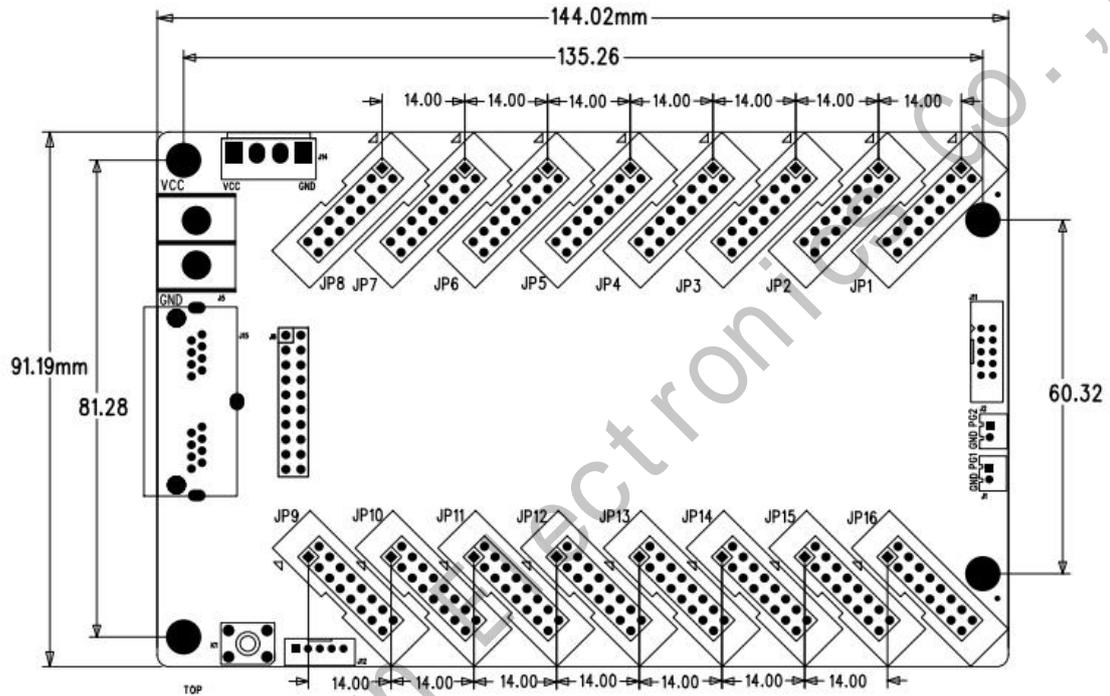
Indicator	Location	State	Description
Status indicator (green)	U1	Flashes evenly and slowly	The receiving card works normally, the network cable is connected normally, and there is a DVI signal input.
		Flashes evenly and quickly	The receiving card works normally, the network cable is connected normally, and there is a DVI signal input.
		Off	No Gigabit signal
		3 flashes quickly at intervals	The receiving card works normally, the network cable circuit is in connection, and there is a DVI signal input.
Status indicator (red)	U3	On	Normal power supply

# Working Parameters

---

Electrical parameters	Input voltage	DC3.5-5.5V
	Rated current	0.6A
	Rated power	3W
Working environment	Working temperature	-20°C ~ 75°C
	Working humidity	10%RH-90%RH
Storage environment	Working temperature	-25°C ~ 125°C
Board size	144.02mmX91.19mm	
Net weight	106.7g	
Certification Information	RoHS Compliant, CE-EMC Compliant	

# Dimensions



Unit: mm

## Note

---

1. Must be used in accordance with this usage requirement.
2. Installation and commissioning must be done by professionals and must be anti-static.
3. Pay attention to waterproof and dust removal.



Shanghai Xixun Electronics Co., Ltd