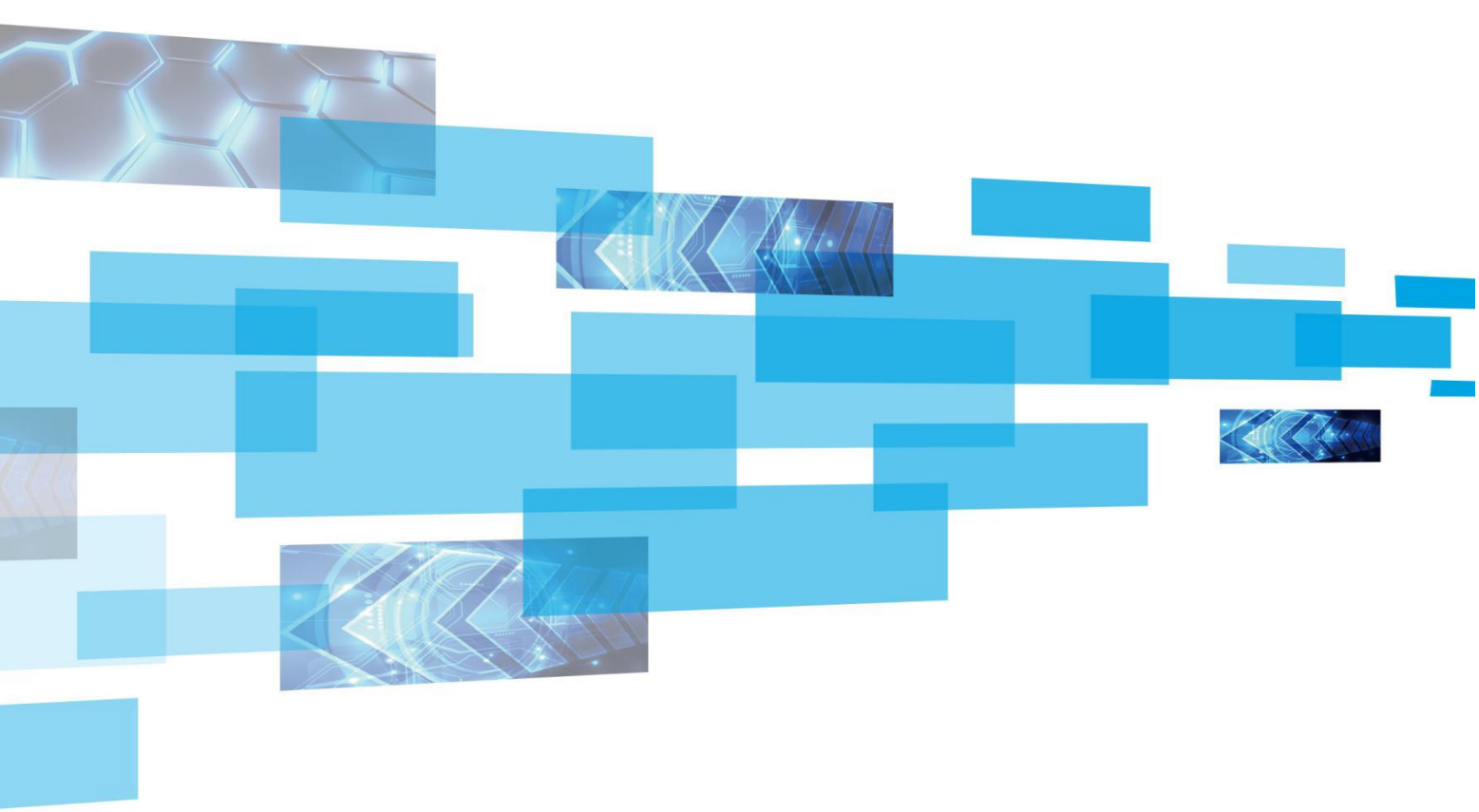


# Universal Receiver Card

## D90-8



## Product Specification

Version: Ver.1.2

# Update Record

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No.	Version No.	Updates	Revision Date
1	Ver.1.0	Initial update	2020.03.01
2	Ver.1.1	Parameters change	2020.11.11

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

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# Product Appearance

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Receiver card D90-8

# Function Introduction

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The D90-8 is a universal receiver card from Xixun with the following features.

1. Integrated 8 HUB75E interfaces.
2. Single card carries up to 96K pixel points.
3. Conventional chips with high refresh, high brightness and high grey scale.
4. Support for receiving card parameters read back.
5. Dual backup function with network cable.
6. Supports network cable communication status detection.
7. Upgrade free receiver card firmware, compatible with various driver chips.
8. Supports monitoring of all receiver card parameters.
9. RoHS compliant.
10. Conforms to CE-EMC standards.

# Load Carrying Capacity

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Three-line parallel (RGB)	Maximum load (pixels)	Number of cascade cards	Support for scanning lines
Group 16	256*384	<200	1-32 sweeps

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# Function Definition

Function	Description
<b>Display enhancement</b>	<ol style="list-style-type: none"><li data-bbox="630 495 1326 696">1. Support for 90° rotation of the screen: with LedSet 3.0 software, the screen of the receiving card can be rotated by 90°.</li><li data-bbox="630 741 1326 1028">2. Support for screen scaling function: with LedSet 3.0 software, the pixels on the receiver card can be scaled in multiples to zoom in and out of the display screen.</li></ol>
<b>Operability enhancement</b>	<ol style="list-style-type: none"><li data-bbox="630 1072 1326 1610">1. Support for receiving card serial number detection: with the network port debugging function in LedSet 3.0 software, the receiving card number and network port information will be displayed on the target box, and the user can be informed of the location serial number and connection line of the receiving card.</li><li data-bbox="630 1655 1326 2018">2. Support for the display area of the receiver card banding: in conjunction with the network port commissioning function in the LedSet 3.0 software, the target box displays the receiver card banding area, differentiated by the red,</li></ol>

	<p>green and white colours displayed.</p> <p>3. Support for data interface customisation: with LedSet 3.0 software, the output data of the receiver card can be detected and editable.</p>
<p><b>Advanced functional features</b></p>	<p>1. Support for reading back the configuration parameters of the receiver card: On LedSet 3.0 it is possible to read back the current configuration parameters of the receiver card.</p> <p>2. Support for network cable BER detection: on LedSet 3.0 the communication signal quality of network cables connected to the system hardware can be monitored in real time in order to quickly determine the good and bad network cables and troubleshoot.</p> <p>3. One-click repair function: with the software repair function of the receiver card on LedSet 3.0, users can maintain and replace the receiver card without debugging and automatically restore the normal display.</p> <p>4. Support for the construction of complex boxes: In the advanced layout of LedSet 3.0 software, the box modules can be quickly arranged and</p>

	<p>constructed in any way.</p> <p>5. Support for constructing large complex screens: in the complex display connections of LedSet 3.0 software, the boxes can be quickly arranged and constructed in any way.</p> <p>6. Chip compatible and upgrade free: with LedSet 3.0 software, various classes of constant current ICs can be debugged without the need to upgrade the receiver card firmware.</p>
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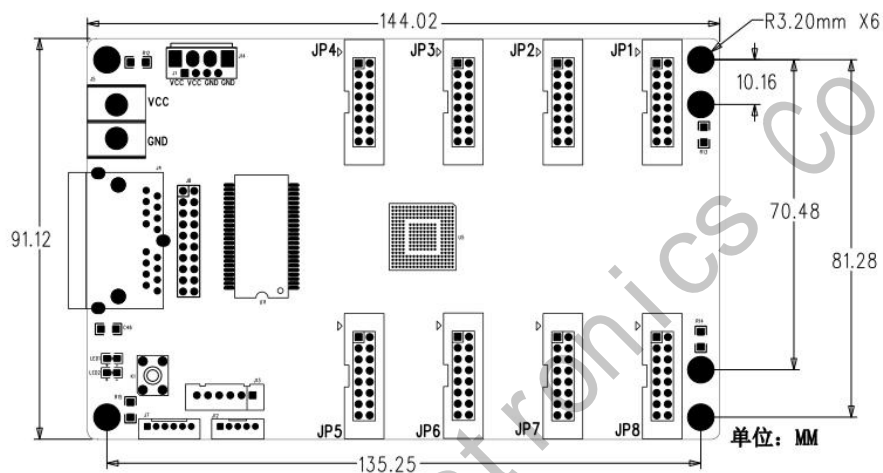
# Output Port Definition

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The eight 16P (JP1-JP8) ports of the output port are defined as follows.

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	GND	G1	E	B	D	LAT	GND

# Definition Of Dimensions And Connections



## J7 (I2C interface) definition

Pin	1	2	3	4	5	6
Definition	VCC	GND	DATA	GND	CLK	VCC

## J12 Definition

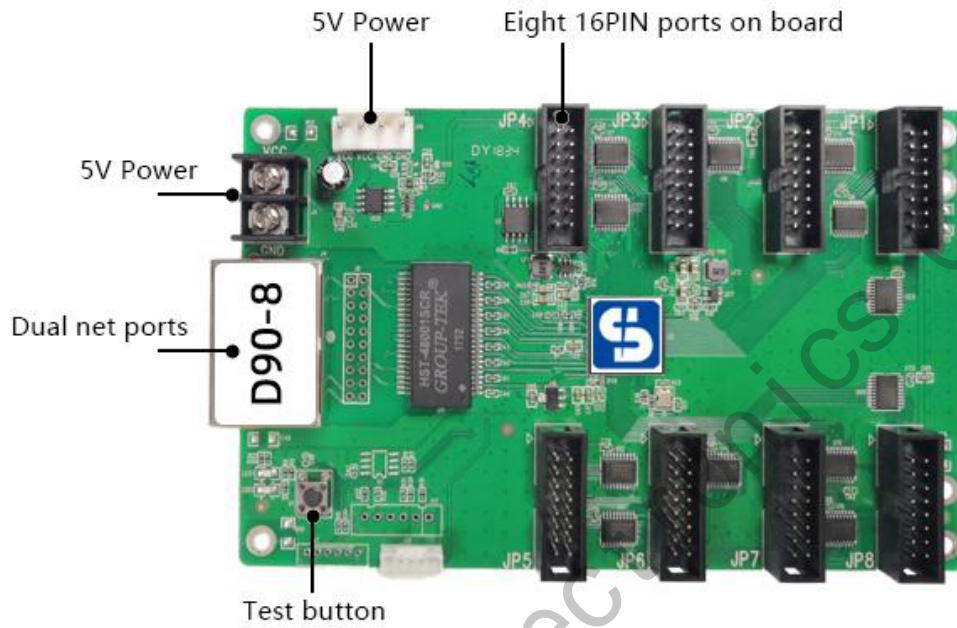
Pin	1	2	3	4	5
Definition	GND/KEY-	KEY+	LEDR-	VCC/LED+	LED(G)-

## J1 Definition

Pin	1	2	3	4	5	6
Definition	KEY+	GND/KEY-	VCC/LED+	GND/LED-	VCC/LEDG+	LEDG-

# Interface Labelling

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# Working Parameters

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Rated power consumption (W)	1.5W
Input voltage (V)	DC3.5-5.5V
Operating temperature (°C)	-20°C - 75°C
Operating humidity (%)	10%RH-90%RH

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# Standard Packaging

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1. Single card anti-static bag packaging.
2. The standard packing box is: 100PSC/box.

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# Cautions

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1. The installation process must be completed by a professional.
2. Must be anti-static.
3. Take care of waterproofing and dusting.

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