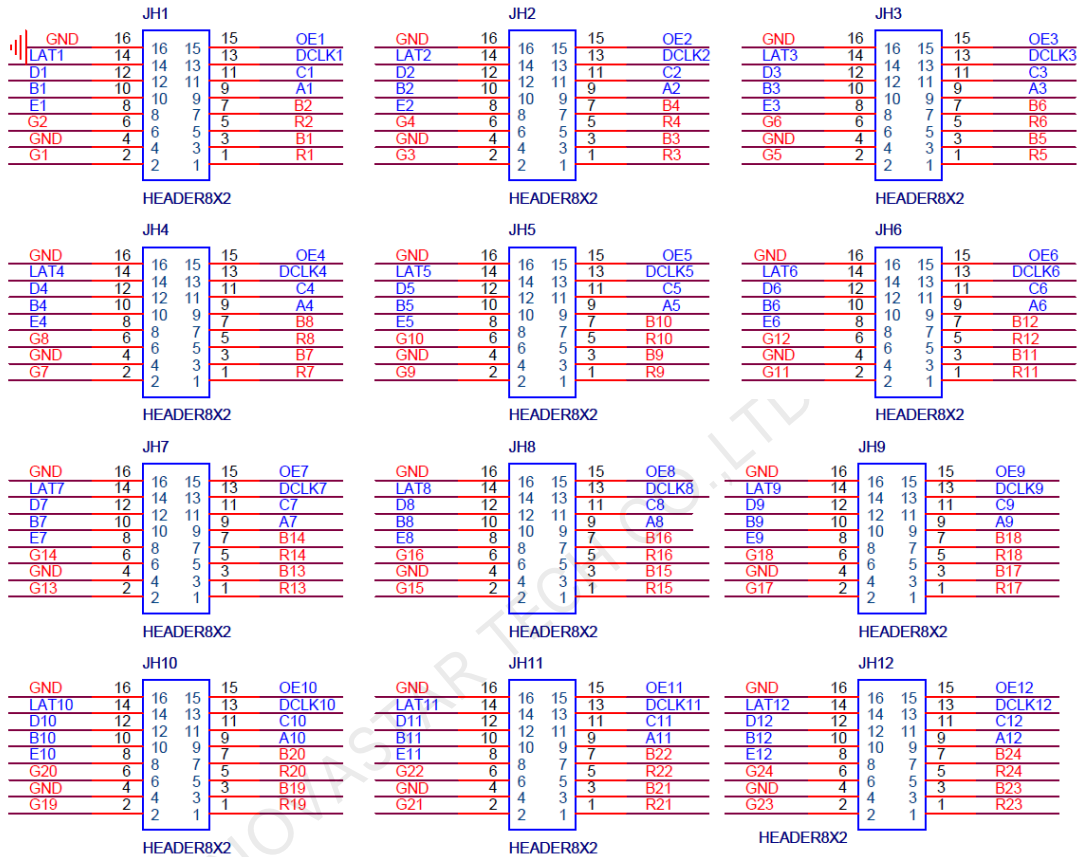# Specifications

Receiving Card MRV336

Rev1.1.1   NS110100264

General

MRV336 is the 24 Groups data receiving Card of Nova M3 series which is without HUB.

Features

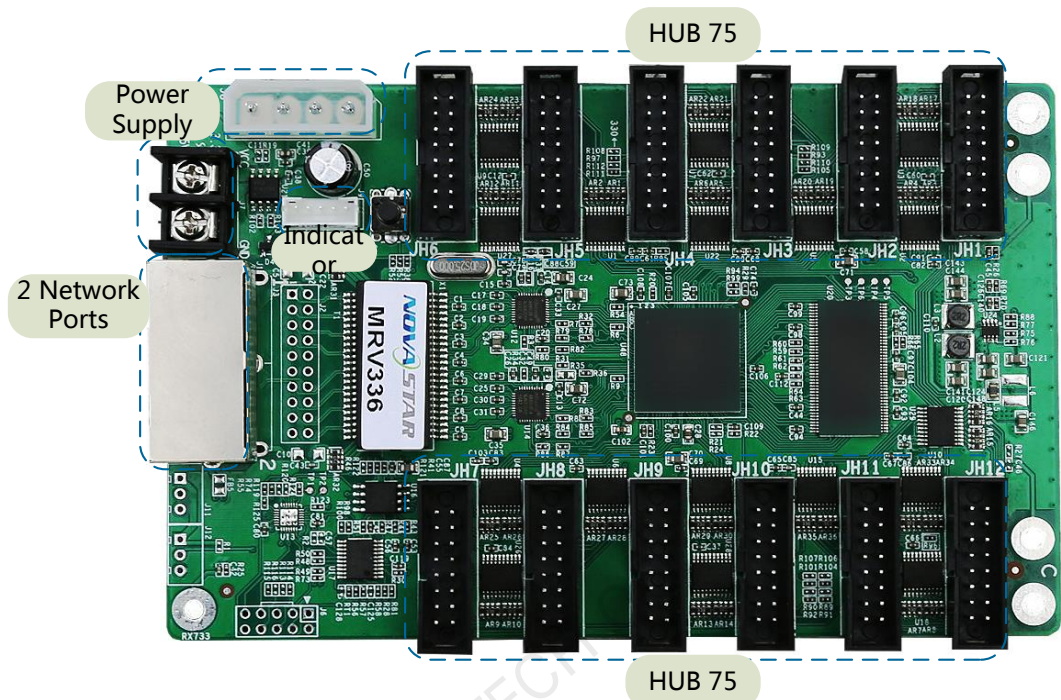| MRV336		
Functions	▪ Integrated 12 standard HUB75 connector, without the HUB structure;	
	▪ Support 1/32 scan mode;	
	▪ Single card outputs 24-group of RGB data;	
	▪ Single card support resolution 256x226;	
	▪ Support configuration file readback;	
	▪ Support temperature monitoring;	
	▪ Support Ethernet cable communication status detection;	
	▪ Support power supply voltage detection;	
	▪ Support pixel by pixel brightness and chromaticity calibration. Brightness and chromaticity calibration coefficients for each LED;	
	▪ Support pre-store picture setting;	
	▪ Comply with EU RoHs standard.	
Power requirements	Limit voltage	3.0~6.0V
	Operating voltage	3.3~5.5V
	Operating current	0.45~0.55(Rated 0.5A)
Operating Environment	Temperature	-4~158℉(-20~70°C)
	Humidity	10%-90% no-condensing

Output interface definition

This receiving card has 12 16Pin standards HUB75 output, and the definition is as follows:

JH1			
1	R1	G1	2
3	B1	GND	4
5	R2	G2	6
7	B2	E1	8
9	A1	B1	10
11	C1	D1	12
13	DCLK1	LAT1	14
15	OE1	GND	16

Dimensions

Thickness of the board is about 1.6mm. The overall thickness (board thickness + thickness of the components on front and back side) is about 18.5mm.

Unit: mm

Surface introduction

Note: Product images provided in this file are for reference only, and the actual products shall prevail.

J9 definition（Indicator Socket）:

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