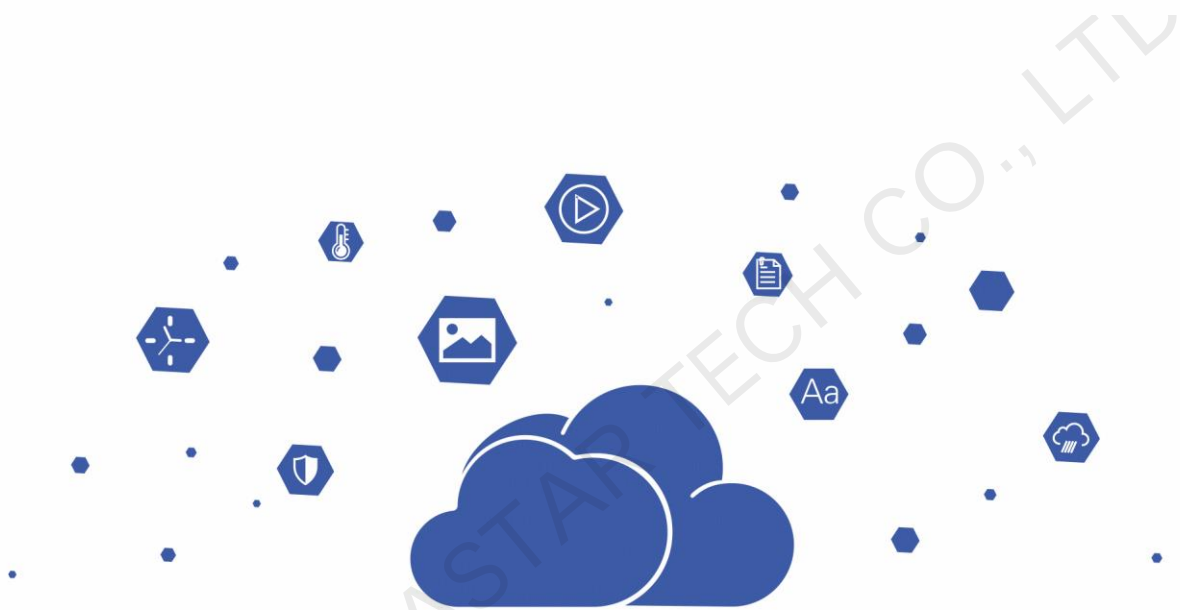


RC4

Relay Expansion Card



Specifications

Change History

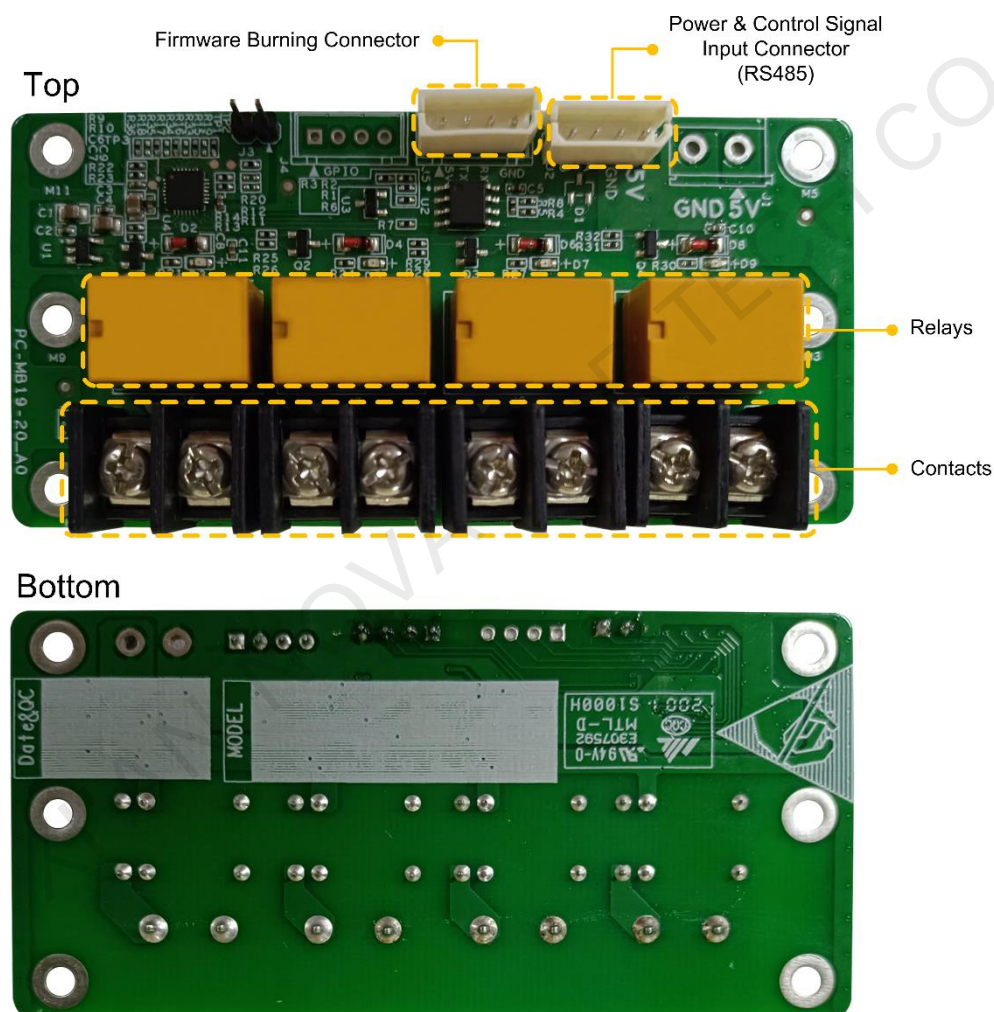
Document Version	Release Date	Description
V1.1.0	2021-08-20	Updated the product introduction, appearance pictures, connection diagram, and some specifications.

Introduction

The RC4 is a relay expansion card created by NovaStar. It works with the JT series products (such as JT50, JT100) to let relays operate or release according to the input control signal, enabling power switch control.

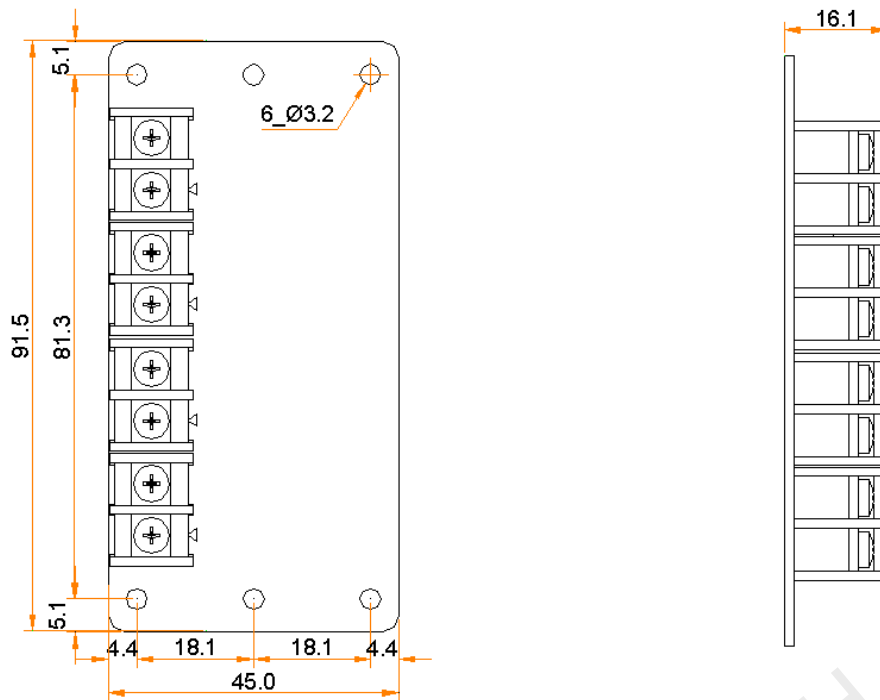
During operation, the circuits connected to the relays are closed; during release, the circuits connected to the relays are open.

Appearance



Note: All product pictures shown in this document are for illustration purpose only. Actual product may vary.

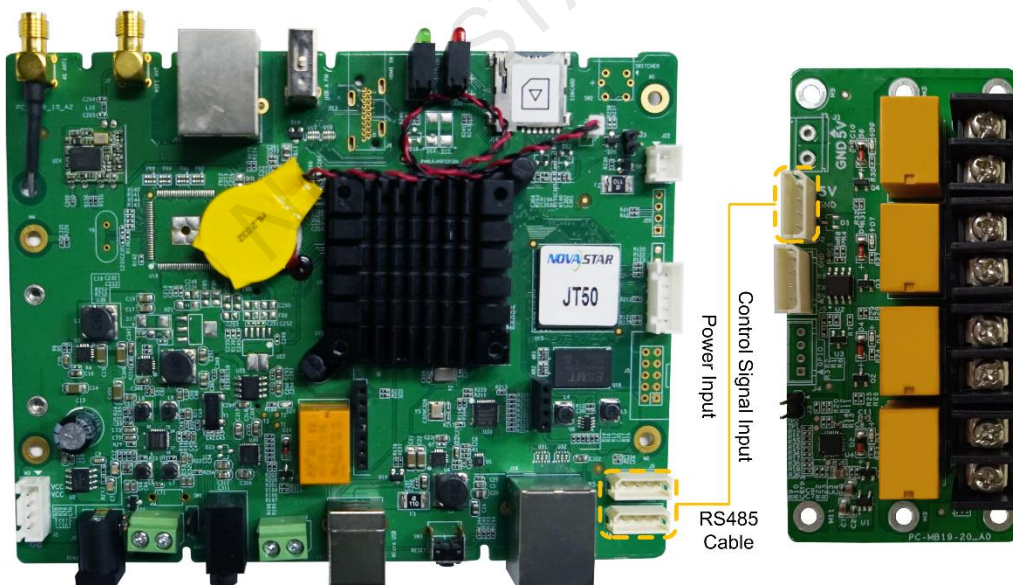
Dimensions



Tolerance: ± 0.3 Unit: mm

Connection

The RC4 works with the JT series products. The following diagram uses the JT50 as an example to show the connection to the RC4.



Note: All product pictures shown in this document are for illustration purpose only. Actual product may vary.

Specifications

RC4

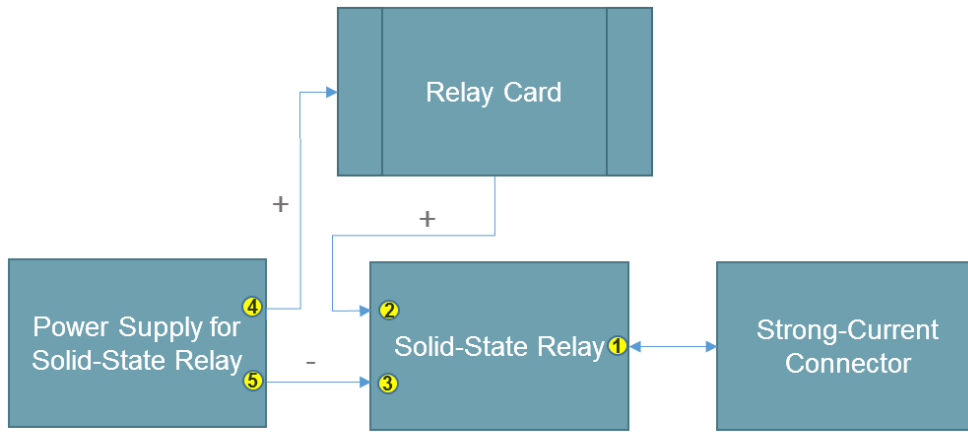
Electrical Specifications	Rated voltage	DC 4.5 V~5.5 V
	Maximum power consumption	1.5 W
Operating Environment	Temperature	–20°C to +60°C
	Humidity	0% RH to 80% RH, non-condensing
Storage Environment	Temperature	–40°C to +80°C
	Humidity	0% RH to 80% RH, non-condensing
Physical Specifications	Dimensions (L×W×H)	91.5 mm × 45.0 mm × 16.1 mm
	Net weight	44.7 g Note: The net weight refers to the weight of a single RC4 card.
	Gross weight	0.15 kg Note: The gross weight refers to the total weight of the product, accessories, printed materials, and packing according to the packing specifications.
Packing Information	Dimensions (L×W×H)	198.0 mm × 46.0 mm × 129.0 mm
	List	• 1x RC4 • 1x RS485 cable

The power consumption may vary based on the settings, environment and use of the product.

Relay

Direct Current (DC)	Maximum voltage	30 V
	Maximum current	3 A
Alternating Current (AC)	Maximum voltage	250 V
	Maximum current	3 A

Using relays to directly control alternating current is not recommended. To control alternating current, use the connection method below.



- ① : Strong-current connector to an alarm lamp or indicator
- ② : 5V weak-current signal positive (3V~30V)
- ③ : 5V weak-current signal negative (3V~30V)
- ④ : Positive output
- ⑤ : Negative output

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