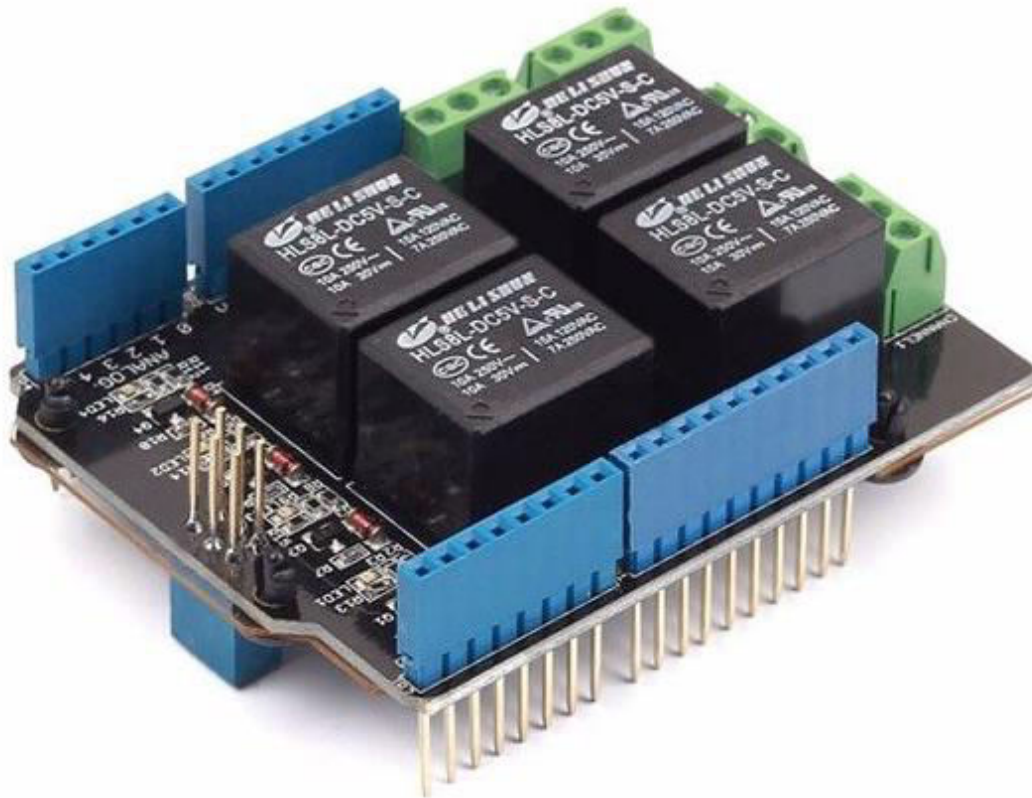




**seeed** studio  
The IoT Hardware Enabler



The Relay Shield provides four high quality relays that can control high current loads to Arduino / Seeeduino boards. It also provides NO (Normally Open) / NC (Normally Closed) contacts. A nice solution for controlling devices that cannot be directly controlled by Arduino's Digital I/Os. Standardized shield form factor enables smooth connection with Arduino and compatibles. The shield also has four LED indicators to show the on/off state of each relay.

Relays are useful in switching on/off AC appliances like fans, lights, motors or high current DC actuators like solenoid valves.

### Features

- Arduino/Seeeduino Shield compatible
- Relay screw terminals
- Working status indicators for each relay
- High quality relays
- Provides NO/NC interfaces

### Channel1 Interface

- COM1 - Common pin
- NC1 - Normally Closed. Will be connected with COM1 when RELAY1 pin is set low and disconnected when RELAY1 is high;
- NO1 - Normally Open. Will be connected with COM1 when RELAY 1 pin is set high and disconnected when RELAY1 is low;
- 4 DIGITAL PINS TO CONTROL 4 RELAYS
- RELAY1-RELAY4 pins could be connected directly with Arduino pin number of 7-4, so that four relays could be easily controlled by the Arduino

For technical support, please post your questions to our forum.

### Technical details

Dimensions	100mm x67mm x30mm
Weight	G.W 77g
Battery	Exclude
Operating Voltage	4.75V~5.25V
Operating Current:	8~250 mA
Switching Voltage:	250VAC/30VDC
Switching Current:	15A/7A
Frequency:	1Hz
Switching Power:	70W
Relay Life:	100,000 Cycle

ESD contact discharge:	±4KV
ESD air discharge:	±8
Dimension:	68.7 x 53.5 x 30.8 mm
Net Weight:	55±2 g

**Part List**

Relay Shield v3.0	1
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**ECCN/HTS**

ECCN	EAR99
HSCODE	85364110
USHSCODE	85364100
UPC	841454104087