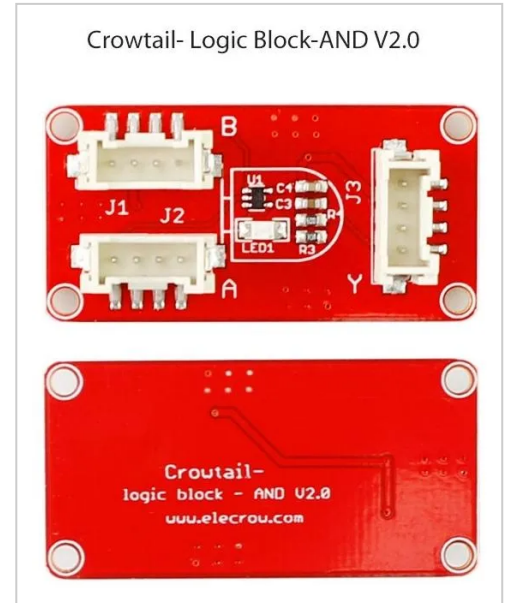


# Elecrow Crowtail Logic Block 2.0, 4-pin JST, 3.3V-5V | AND

Crowtail - Logic Block (AND module, model: CRT01235B) The Crowtail - Logic Block with AND function is a modular... [Everything for your DIY projects.](#)

**Product number** CRT01235B-AND

**Weight** 0.009kg



## Product description

### **Crowtail - Logic Block (AND module, model: CRT01235B)**

The Crowtail - Logic Block with AND function is a modular logic module for visualising digital circuits. It represents the logical AND operation and enables interaction with other logic modules in the Crowtail series by means of simple plug-in connections. The block has two inputs and one output. An integrated blue LED indicates the current output status: If the LED lights up, a logic high (1) is present at the output; if it remains off, the output signal is low (0). The design is based on the familiar D symbol of an AND gate. The module has two outputs and supports both input expansions and signal splitting via separate splitter or input modules.

The module represents a typical digital logic circuit as used in electronics. Digital logic works with binary values - either 1 (high) or 0 (low). In practice, these values correspond to defined voltages, usually 0V for low and 3V or 5V for high. This logic is visualised by the AND module: Only when both inputs are high does the output also become high - otherwise it remains low. The output of the module can be followed visually via the integrated LED indicator.

The Crowtail AND module is designed for learning and development purposes and can be integrated into Arduino projects. It is suitable for experiments, training and DIY electronics applications in which basic digital logic is to be taught or tested. The modular design supports easy handling through direct connection without soldering. Two inputs and an LED-supported output make it easy to understand and test logic operations.

The Crowtail AND module is a hardware component that makes logic decisions based on digital input signals. It belongs to the category of digital logic modules. The central function of this module is the realisation of an AND operation. This means that a high signal is only generated at the output if both input signals are set to high (logic 1). This function can be visualised via an integrated LED. The module enables the systematic expansion of logic circuits through plug connections with other components.

### **Features at a glance**

- Digital AND function with two inputs and one output
- Blue LED as output indicator (high=LED on, low=LED off)
- Modular plug-in system for combination with other logic blocks
- Mechanical shape based on the switching symbol of an AND gate

#### Compatibility with

- Arduino
- Crowtail platform
- Microcontroller with digital inputs/outputs

#### Technical data

- Logic type: AND (digital AND gate)
- Output display: Blue LED
- 2x input 1x output
- Dimensions: 40.0 mm (L) × 20.0 mm (W) × 9.8 mm (H)

#### Other data

- Model number: CRT01235B

#### Scope of delivery

- 1 × Crowtail - Logic Block (AND module)

#### Links

- [User manual \(Wiki\)](#)

## Product properties

**Zolltarifnummer** 84733020

**Gross Weight (kg)** 0.009

**Country of Origin** China

**Brand** Elecrow

**Logic Function** AND

**Product ID** CRT01235B-AND

**Manufacturer ID** CRT01235B-AND

## More images

