ZUNO

Z-WAVE.ME Z-UNO

Perfect solution for DIY! Connect LEDs, buttons, switches, motors or any low voltage sensor including most of Arduino compatible sensors. Create your personalized Z-Wave device by writing sketch in simplified C language. Perfect companion for you RaZberry gateway.

USE YOUR IMAGINATION TO CREATE:
- battery powered in-wall remote switch
- rotary dimmer control
- temperature/soil humidity/luminosity/voltage/ distance or any other sensors as well as dry contact sensor or tick counter
- relay switch
- IR blaster
- LED driver
- motor driver
- battery powered keypad
- converter from any protocol to Z-Wave (using SPI/ UART/I2C/1-wire bus)
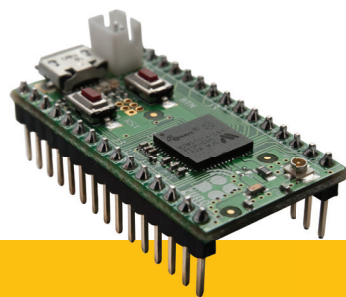- ... or any other device you dreamed about

MAKE YOUR OWN Z-WAVE DEVICE:
- control any Arduino compatible peripherals
- define your own logic by modifying your sketch
- use Arduino IDE and language to write and upload sketches
- easy to use
- requires no knowledge of Z-Wave protocol
- complete DIY solution

HARDWARE SPECIFICATION:
- 28 kB Flash memory for your sketches
- 2 kB RAM available
- Z-Wave RF transmitter at 9.6/40/100 kbps
- 26 GPIO*
- 4 ADC
- 5 PWM
- 2 UART
- 1 USB (serial port)
- 64 kB EEPROM
- 1 SPI (master or slave)
- 4 IR controllers, 1 IR learn capability *
- 1 TRIAC/ZEROX to control dimmer *
- 1 Interrupt *
- 2 Timers 16 MHz or external source *
- I2C (software) *
- 1-wire (software) *
- 8x6 Keypad Scanner *
- 2 service LED, 1 service button
- 1 user test LED

* overlaps with special hardware controllers
* will be implemented soon

CHANNEL TYPES:
- Binary Switch
- Multilevel Switch
- Color Switch *
- Binary Sensor
- Multilevel Sensor
- Meter

Z-WAVE SUPPORTED FEATURES:
- Z-Wave Plus compliant
- all Z-Wave frequencies
- out of the box support of AES 128 bit Security
- upgrade via USB or radio (Z-Wave OTA)
- Multichannel (10 channels)
- 6 Association groups
- controls switches, dimmers, door locks and scenes
- works with gateways and/or directly with other Z-Wave devices

POWER MODE:
- USB 5 V, external 3 V, external 4-18 V or battery
- always on, sleeping or FLiRS (Frequently Listening)

MADE IN **RUSSIA**

More info on http://z-uno.z-wave.me

ZUNO

Pin		
	7-18V	
	5V	
	GND	
	3V3	
	SCK	0
	MISO	1
	MOSI	2
	TX 0	24
	RX 0	25
ZEROX	PWM 0	ADC 0	3
TRIAC	IR TX 2	ADC 1	4
T1 EXT CLK	IR TX 1	ADC 2	5
T0 EXT CLK	IR TX 0	ADC 3	6
IR RX	TX 1	7
SPI CS	RX 1	8

micro USB

Reset   Service

Z-Wave chip

LED — User LED
LED — Service LED
GND
3V3 — Battery connector
23 — Service
22
21
20
19
18 — INT 1
17 — INT 0
16 — PWM 4
15 — PWM 3
14 — PWM 2
13 — PWM 1 — LED — User LED
12
11
10
9

ANT — External connector
ANT — Wire antenna

- ● Power Pin
- ● GND Pin
- ● Digital Pin
- ● Analog Read Pin
- ● Analog Write Pin
- ● UART Pin
- ● SPI Pin
- ● Interrupt Pin
- ● External Timer Pin
- ● IR Pin
- ● TRIAC Pin
- ● Antenna
- ● LED
- ● Button

Z-WAVE⟩ME