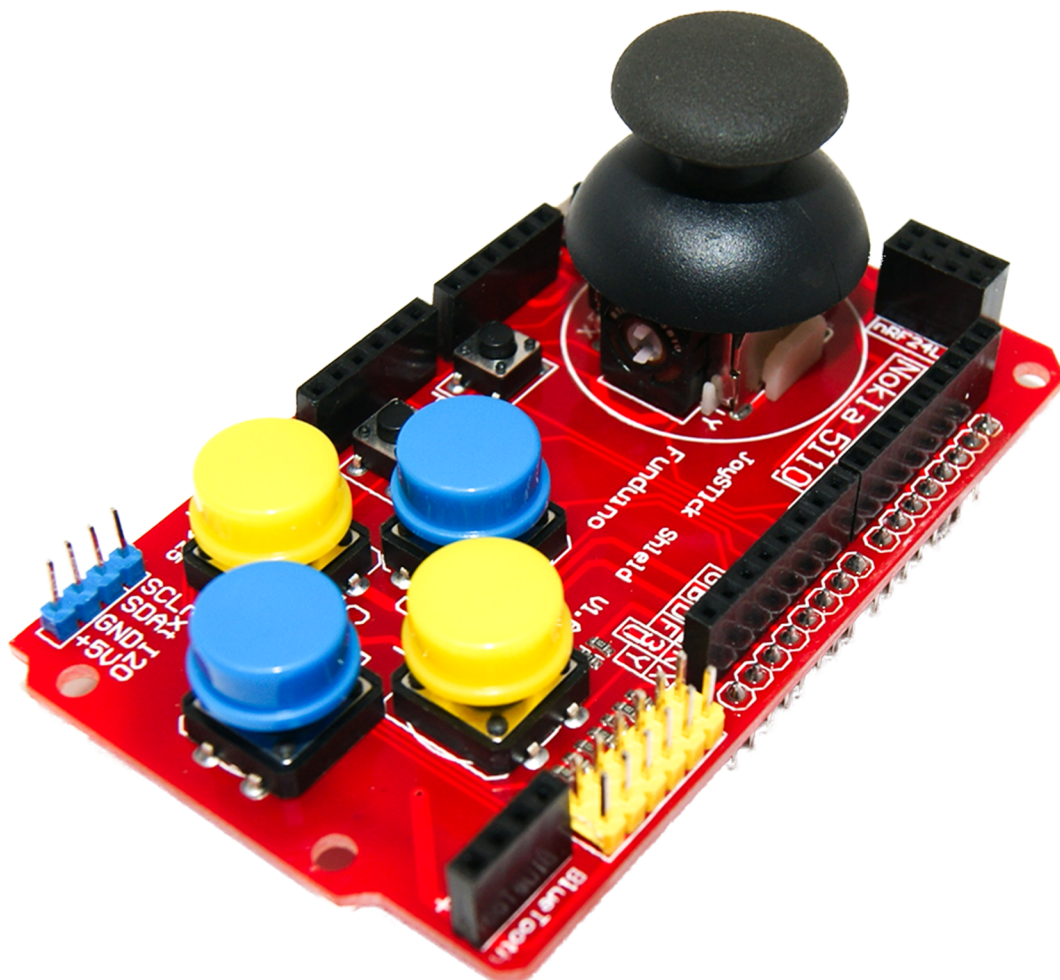# AZ-Delivery

Ihr Experte für Mikroelektronik!

JoyStick KY-023 Keypad Gamepad Shield PS2 für Arduino Uno R3, Mega2560, Leonardo, Duemilanove Datenblatt

Contents:

1. Description

Arduino Joystick Shield contains all the parts you need to enable your Arduino with a joystick! The shield sits on top of your Arduino and turns it into a simple controller. Seven momentary push buttons (6+ joystick select button) and a two-axis thumb joystick gives your Arduino functionality on the level of old Nintendo controllers.

2. Features

• Supports both 3.3v and 5.0V Arduino platforms. A slide switch lets user select voltage system
• 7-Momentary Push buttons (6+ joystick select button)
• Two Axis Joystick
• Additional Ports / Headers for Nokia 5110 LCD, NRF24L01 Communication module, and Bluetooth Module Header
• Additional I2C Header for further expansion

3. Technical Specifications

• Output Voltage : 3.3 or 5.0V (Use Voltage Selector Switch)
• No of Push Buttons: 7
• No of Analog Axis : 2
• Vibration Motor: No
• Communication Port: NRF24L01 and Bluetooth (HC-05, HC-06)
• I2C Header: Yes
• LCD Header: Yes (Nokia 5110)

4. Pinouts

Joystick Connections

Joystick Connections	Description	Type	Arduino Pins
A	Momentary Button A	Digital	D2
B	Momentary Button B	Digital	D3
C	Momentary Button C	Digital	D4
D	Momentary Button D	Digital	D5
E	Momentary Button E	Digital	D6
F	Momentary Button F	Digital	D7
K	Joysticks Momentary Button K	Digital	D8
X	Joystick X-Axis	Analog	A0
Y	Joystick Y-Axis	Analog	A1

Nokia LCD Connections

Nokia LCD	Description	Type	Arduino Pins
SCLK	Serial Clock	Digital	D9
CSN	Chip Select (Active Low)	Digital	D10
D/C	Data / Command	Digital	D11
RST	RESET	Digital	D12
SCE	Chip Enable (Active Low)	Digital	D13

NRF24L01 Connections

NRF24L01 Connections	Description	Type	Arduino Pins
SCE	Chip Enable (RX TX Mode Select)	Digital	D9
CSN	Chip Select (Active Low)	Digital	D10
SCK	Serial Clock	Digital	D11
MOSI	Master Out Slave In	Digital	D12
MISO	Master In Slave Out	Digital	D13