

# ESP 32 DEVKIT V1

ESP32 Devkit DOIT V1 mit aufgespielter Firmware für ein WiFi Handrad in Kombination mit dem OPEN-CNC-Shield 2 oder dem ColdEnd32.

- [PinBoard](#)
- [Using ESP 32 DEVKIT V1 in Windows 11 Arduino IDE](#)

# PinBoard

Chip-enable signal,Active High.

EN

pin15

ADC\_PA

RTC\_GPI00

ADC1\_CH0

SENSOR\_VP

GPI036

pin14

ADC\_PA

RTC\_GPI03

ADC1\_CH3

SENSOR\_VN

GPI039

pin13

RTC\_GPI04

ADC1\_CH6

VDET1

GPI034

pin12

RTC\_GPI05

ADC1\_CH7

VDET2

GPI035

pin11

XTAL\_32kHz

Touch9

RTC\_GPI09

ADC1\_CH4

GPI032

pin10

XTAL\_32kHz

Touch8

RTC\_GPI08

ADC1\_CH5

GPI033

pin9

DAC\_1

RTC\_GPI06

ADC2\_CH8

EMAC\_RXD0

GPI025

pin8

DAC\_2

RTC\_GPI07

ADC2\_CH9

EMAC\_RXD1

GPI026

pin7

Touch7

RTC\_GPI017

ADC2\_CH7

EMAC\_RX\_DV

GPI027

pin6

HS2\_CLK

SD\_CLK

HSPI\_CLK

MTMS

Touch6

RTC\_GPI016

ADC2\_CH6

EMAC\_TXD2

GPI014

pin5

HS2\_DATA2

SD\_DATA2

HSPI\_MISO

MTD1

Touch5

RTC\_GPI015

ADC2\_CH5

EMAC\_TXD3

GPI012

pin4

HS2\_DATA3

SD\_DATA3

HSPI\_MOSI

MTCK

Touch4

RTC\_GPI014

ADC2\_CH4

EMAC\_RX\_ER

GPI013

pin3

GND

pin2

VIN

pin1

pin15

GPI023

SPI\_MOSI

HS1\_STROBE

pin14

GPI022

EMAC\_TXD1

U0RTS

I2C\_SCL

pin13

GPI01

EMAC\_RXD2

U0TXD

CLK\_OUT3

pin12

GPI03

U0RXD

CLK\_OUT2

pin11

GPI021

EMAC\_TX\_EN

I2C\_SDA

pin10

GPI019

EMAC\_TXD0

U0CTS

SPI\_MISO

pin9

GPI018

SPI\_CLK

HS1\_DATA7

pin8

GPI05

EMAC\_RX\_CLK

SPI\_CS0

HS1\_DATA6

pin7

GPI017

EMAC\_CLKOUT180

U2\_TXD

HS1\_DATA5

pin6

GPI016

EMAC\_CLKOUT

U2\_RXD

HS1\_DATA4

pin5

GPI04

EMAC\_TX\_ER

ADC2\_CH0

RTIC1010

Touch0

HSPIHD

SD\_DATA1

HS2\_DATA1

pin4

GPI02

ADC2\_CH2

RTIC1012

Touch2

HSPIWP

pin3

GPI015

EMAC\_RXD3

ADC2\_CH3

RTIC1013

Touch3

MTD0

HSPI\_CS0

SD\_CH0

HS2\_CH0

pin2

GND

pin1

VDD 3V3

POWER

GND

Serial Pin

Header Pin

Control

Physical Pin

Port Pin

Touch Pin

ADC Pin



E

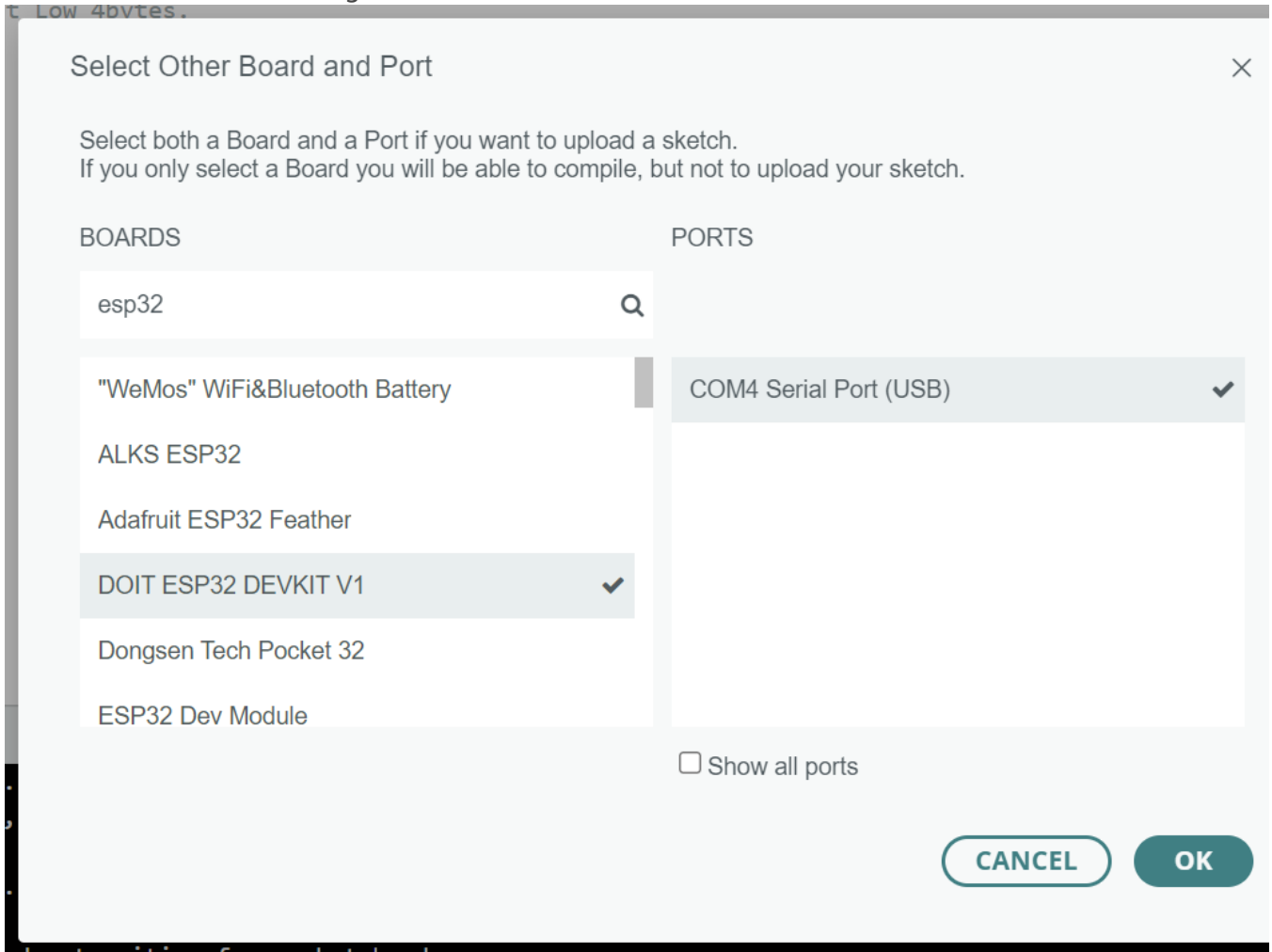
playelek.com

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VER 1

# Using ESP 32 DEVKIT V1 in Windows 11 Arduino IDE

1. install the drivers from [here](#)
2. make sure to select the right BOARD in Arduino IDE
- 3.



4. press the BOOT button while uploading!