

# 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\_GPIO0

ADC1\_CH0

SENSOR\_VP

GPIO36

pin14

ADC\_PA

RTC\_GPIO3

ADC1\_CH3

SENSOR\_VN

GPIO39

pin13

RTC\_GPIO4

ADC1\_CH6

VDET1

GPIO34

pin12

RTC\_GPIO5

ADC1\_CH7

VDET2

GPIO35

pin11

XTAL\_32kHz

Touch9

RTC\_GPIO9

ADC1\_CH4

GPIO32

pin10

XTAL\_32kHz

Touch8

RTC\_GPIO8

ADC1\_CH5

GPIO33

pin9

DAC\_1

RTC\_GPIO6

ADC2\_CH8

EMAC\_RXD0

GPIO25

pin8

DAC\_2

RTC\_GPIO7

ADC2\_CH9

EMAC\_RXD1

GPIO26

pin7

Touch7

RTC\_GPIO17

ADC2\_CH7

EMAC\_RX\_DV

GPIO27

pin6

HS2\_CLK

SD\_CLK

HSPI\_CLK

MTMS

Touch6

RTC\_GPIO16

ADC2\_CH6

EMAC\_TXD2

GPIO14

pin5

HS2\_DATA2

SD\_DATA2

HSPI\_MISO

MTD1

Touch5

RTC\_GPIO15

ADC2\_CH5

EMAC\_TXD3

GPIO12

pin4

HS2\_DATA3

SD\_DATA3

HSPI\_MOSI

MTCK

Touch4

RTC\_GPIO14

ADC2\_CH4

EMAC\_RX\_ER

GPIO13

pin3

GND

pin2

VIN

pin1

pin15

GPIO23

SPI\_MOSI

HS1\_STROBE

pin14

GPIO22

EMAC\_TXD1

U0RTS

I2C\_SCL

pin13

GPIO1

EMAC\_RXD2

U0TXD

CLK\_OUT3

pin12

GPIO3

U0RXD

CLK\_OUT2

pin11

GPIO21

EMAC\_TX\_EN

I2C\_SDA

pin10

GPIO19

EMAC\_TXD0

U0CTS

SPI\_MISO

pin9

GPIO18

SPI\_CLK

HS1\_DATA7

pin8

GPIO5

EMAC\_RX\_CLK

SPI\_CS0

HS1\_DATA6

pin7

GPIO17

EMAC\_CLKOUT180

U2\_TXD

HS1\_DATA5

pin6

GPIO16

EMAC\_CLKOUT

U2\_RXD

HS1\_DATA4

pin5

GPIO4

EMAC\_TX\_ER

ADC2\_CH0

RTIC1010

Touch0

HSPIHD

SD\_DATA1

HS2\_DATA1

pin4

GPIO2

ADC2\_CH2

RTIC1012

Touch2

HSPIWP

pin3

GPIO15

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

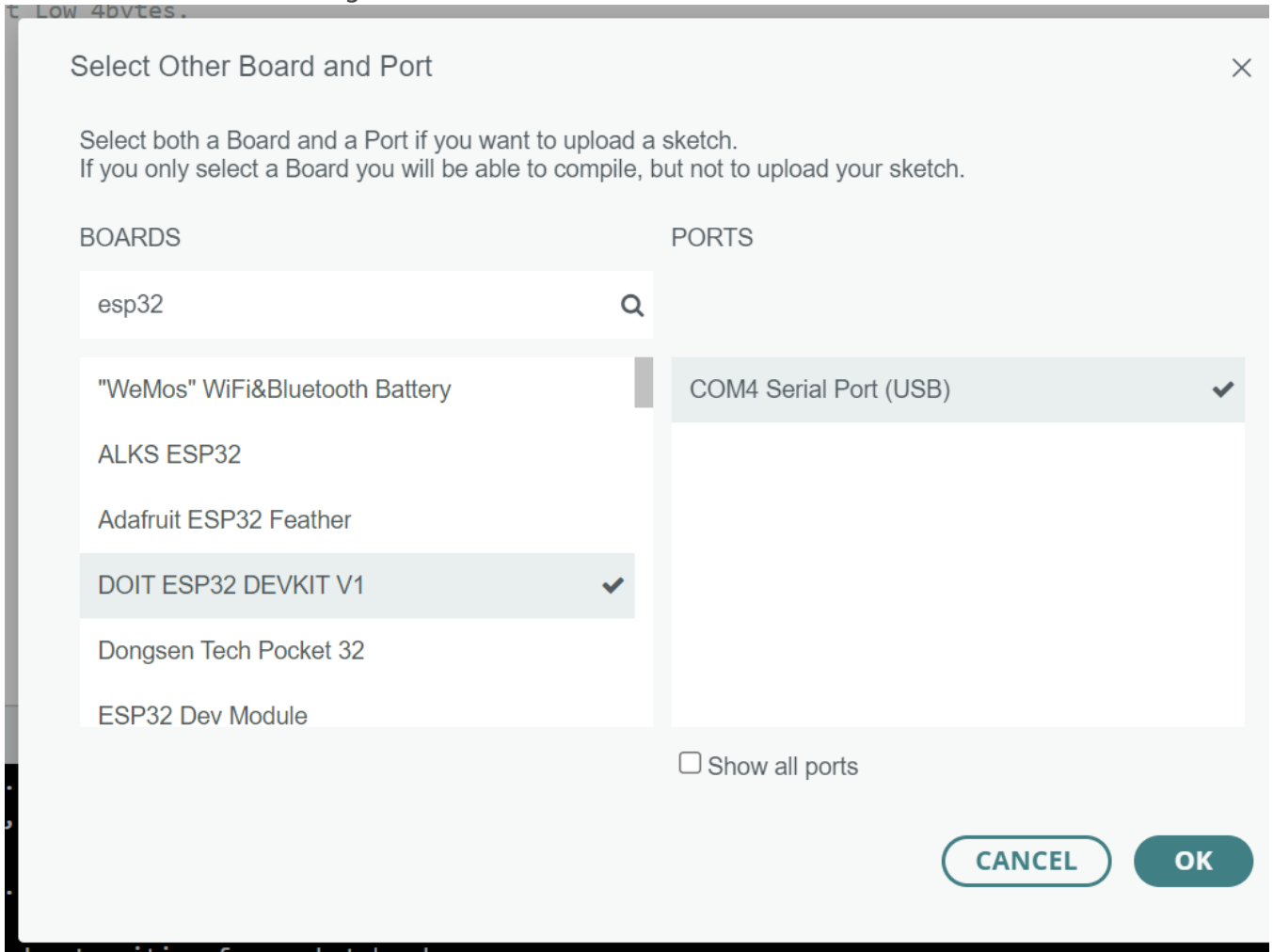
playelek.com

EE-AUG-2016

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!