YÚN PINOUT

Managed by Linino

USB
Host port

32U4 Programming Port
used for power the board
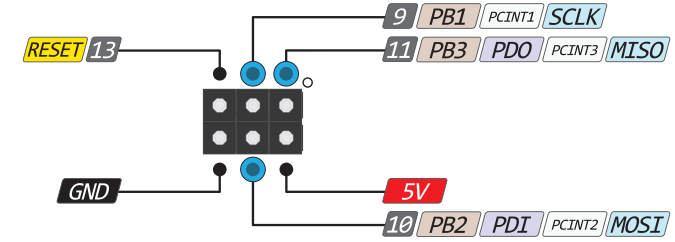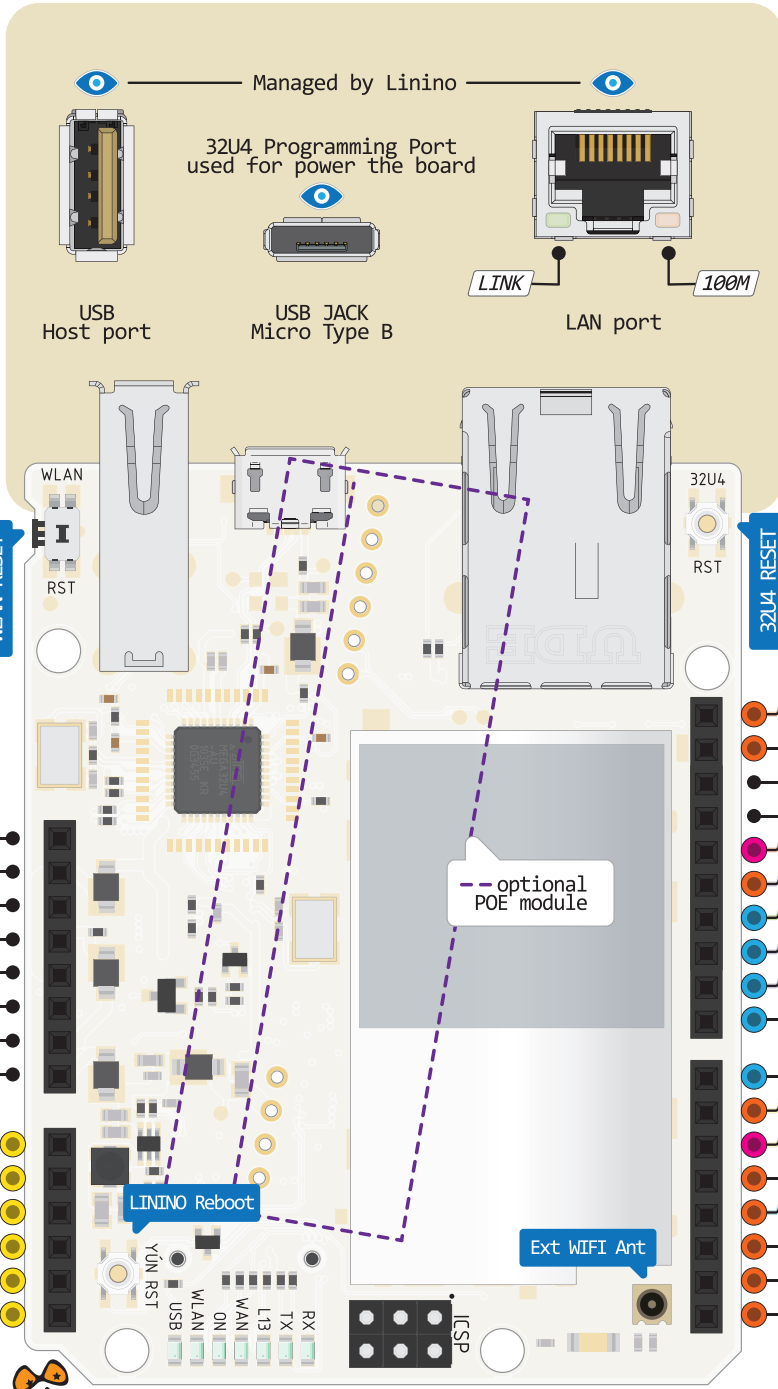
USB JACK
Micro Type B

LAN port

LINK   100M

⊘ There is no on-board voltage regulator for higher voltages which will damage the board!

IOREF provides a logic reference voltage for shields that use it. It is connected to the 5V bus.

VIN The input voltage to the Yun board. Unlike other Arduino boards, if you are going to provide power to the board through this pin YOU MUST PROVIDE A REGULATED 5V!

⚠ Absolute MAX per pin 20mA
   recommended 10mA

⊘ Absolute MAX 200mA
   for entire package

RESET 13

9	PB1	PCINT1	SCLK
11	PB3	PDO	PCINT3	MISO

GND   5V

| 10 | PB2 | PDI | PCINT2 | MOSI |

⚠ The SD, Ethernet, and USB-A connectors are not physically connected to the 32U4 processor

HANDSHAKE Pin 7 is connected to the AR9331 processor and it may be used as handshake signal in future. Is recommended to be careful of possible conflicts if you intend to use it as interrupt!

⚠ The power sum for each pin's group should not exceed 100mA

WLAN

WLAN RESET

RST

32U4

32U4 RESET

RST

optional POE module

LININO Reboot

Ext WIFI Ant

YÚN RST

USB WLAN ON WAN L13 TX RX

ICSP

LININO Bridge

18	PD0	INT0	OC0B	SCL
19	PD1	INT1	SDA
42	AREF
GND
32	PC7	ICP3	CLK0	OC4A
26	PD6	T1	OC4D	ADC9
12	PB7	PCINT7	OC1C	OC0A	RTS
30	PB6	PCINT6	OC1B	OC4B	ADC13
29	PB5	PCINT5	OC1A	OC4B	ADC12
28	PB4	PCINT4	ADC11
1	PE6	AIN0	INT.6	HANDSHAKE	⚠
27	PD7	T0	OC4D	ADC10
31	PC6	OC3A	OC4A
25	PD4	ICP1	ADC8
18	PD0	INT0	OC0B	SCL
19	PD1	INT1	SDA
21	PD3	INT3	TXD1
20	PD2	INT2	RXD1

NC
IOREF

Only 32U4 reset ◉ RESET 13
3V3
5V
GND
GND
⚠ VIN

ADC7	TDI	PF7	36
ADC6	TDO	PF6	37
ADC5	TMS	PF5	38
ADC4	TCK	PF4	39
ADC1		PF1	40
ADC0		PF0	41

PWM TYPE
- ⟋ 10bit
- ⟋ 8/16bit
- ⟋ HS
- ⟋ 16bit
- ⟋ 8bit

Legend
▮	Power
▮	GND
▮	Serial Pin
▮	Analog Pin
▮	Control
▮	INT
▮	Physical Pin
▮	Port Pin
▮	Pin function
▮	Interrupt Pin
⟋	PWM Pin
●●●◉	Port Power ⚠

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