



## List of components Node-RED mit ESP32

Hetzner 20€ voucher for new registration

<https://hetzner.cloud/?ref=4CYeG01EJFye>

With this link you will receive 20 € cloud credit.

Project	Pieces	Componenten	*Link (Affiliate - price remains the same for you)Note
General	1	Litzen - Jumper Wire Kabel	<a href="https://amzn.to/3X7kuub*">https://amzn.to/3X7kuub*</a>
General	1	Breadboards	<a href="https://amzn.to/3k0ViZb*">https://amzn.to/3k0ViZb*</a>
General	1	12V 2 A Netzteil	<a href="https://amzn.to/3Y0CjzI*">https://amzn.to/3Y0CjzI*</a>
General	1	DC 5,5 mm 2,1 mm DC Stecker DC Buchse Steckver	<a href="https://amzn.to/3i0M0Zm*">https://amzn.to/3i0M0Zm*</a>
General	1	Resistor Sortiment 25 Werte 1250 Stück	<a href="https://amzn.to/3H9Fho7*">https://amzn.to/3H9Fho7*</a>
General	1	PNP NPN Power Allzweck-Transistoren-Set	<a href="https://amzn.to/3X060IS*">https://amzn.to/3X060IS*</a>
General	1	LED 300 pcs 3mm 5mm	<a href="https://amzn.to/3HucDIV*">https://amzn.to/3HucDIV*</a>
General	1	LM2596S DC-DC Netzteil Adapter Step down Modul	<a href="https://amzn.to/3wMl3fv*">https://amzn.to/3wMl3fv*</a>
Mini weather station	1	BH170 Light sensor	<a href="https://amzn.to/3HulGAa*">https://amzn.to/3HulGAa*</a>
Mini weather station	1	BMP180 temp sensor	<a href="https://amzn.to/3HvuDcL*">https://amzn.to/3HvuDcL*</a>
Mini weather station	1	12V 60mm fan 60 x 15mm	<a href="https://amzn.to/3H0Q1Fc*">https://amzn.to/3H0Q1Fc*</a>
Mini weather station	1	ESP32 D1 Mini NodeMCU	<a href="https://amzn.to/3i5kn1e*">https://amzn.to/3i5kn1e*</a>
Visualize weather data on the e-ink display	1	Seeed Studio XIAO ESP32C3	<a href="https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-">https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-</a>
Visualize weather data on the e-ink display	1	Waveshare 2.13 Inch e-Paper Display HAT 250x122	<a href="https://amzn.to/3WE4iDX*">https://amzn.to/3WE4iDX*</a>
Visualize weather data on the e-ink display	1	3,7 V Lipo-Akku 2000mAh	<a href="https://amzn.to/3jctGXW*">https://amzn.to/3jctGXW*</a>
Surveillance camera with ESP32-Cam	1	FT232RL USB zu TTL Serial Adapter für 3,3V und 5V	<a href="https://amzn.to/3iWvusCs*">https://amzn.to/3iWvusCs*</a>
Surveillance camera with ESP32-Cam	1	Resistors see "General	
Surveillance camera with ESP32-Cam	1	Transistors see "General	
Surveillance camera with ESP32-Cam	1	HC-SR501 PIR	<a href="https://amzn.to/403WGHt*">https://amzn.to/403WGHt*</a>
Time recording with RFID und TimeTagger	1	RFID Kit RC522 mit Reader, Chip und Card 13,56MHz	<a href="https://amzn.to/3WY2whb*">https://amzn.to/3WY2whb*</a>
Time recording with RFID und TimeTagger	1	ESP32 D1 Mini NodeMCU	<a href="https://amzn.to/3i5kn1e*">https://amzn.to/3i5kn1e*</a>
Time recording with RFID und TimeTagger	2	LED see "General	
Time recording with RFID und TimeTagger	2	Resistors see "General	
Time-controlled plant watering	1	LM2596S DC-DC Netzteil Adapter Step down Modul	<a href="https://amzn.to/3wMl3fv*">https://amzn.to/3wMl3fv*</a>
Time-controlled plant watering	1	DC 5,5 mm 2,1 mm DC Stecker DC Buchse Steckver	<a href="https://amzn.to/3i0M0Zm*">https://amzn.to/3i0M0Zm*</a>
Time-controlled plant watering	1	Seeed Studio XIAO ESP32C3	<a href="https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-">https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-</a>
Time-controlled plant watering	1	HC-SR04 Ultra Sonic	<a href="https://amzn.to/3H65rYP*">https://amzn.to/3H65rYP*</a>
Time-controlled plant watering	1	Relais 5V KY-019 Modul High-Level-Trigger	<a href="https://amzn.to/3jAcEK9*">https://amzn.to/3jAcEK9*</a>
Smart Plugs and Relays	1	Tasmota Steckdose NOUS A1T	<a href="https://amzn.to/3XYixOr*">https://amzn.to/3XYixOr*</a>
Smart Plugs and Relays	1	Shelly Plus 1PM	<a href="https://amzn.to/3kFAR0L*">https://amzn.to/3kFAR0L*</a>
IoT Button	1	Seeed Studio XIAO ESP32C3	<a href="https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-">https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-</a>
IoT Button	1	3,7 V Lipo-Akku 320mAh	<a href="https://amzn.to/3DecBqN*">https://amzn.to/3DecBqN*</a>
Internet Radio	1	Speaker 3 Watt 8 Ohm	<a href="https://amzn.to/3i1SjMi*">https://amzn.to/3i1SjMi*</a>
Internet Radio	1	I2S 3W Class D Amplifier Breakout	<a href="https://amzn.to/3wp95cp*">https://amzn.to/3wp95cp*</a>
Internet Radio	1	ESP32 NodeMCU	<a href="https://amzn.to/3WAIrhF*">https://amzn.to/3WAIrhF*</a>
Raspberry Pico W	1	Raspberry Pico W	<a href="https://amzn.to/3H68gZV*">https://amzn.to/3H68gZV*</a>

Customs duties may apply. From time to time there is also the choice to ship from "DE-Warehouse" for EU shipping

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I have been using the GoSund EP2. However, these are supposed to be delivered with a different chip since 2023 and therefore these Smart Plugs can no longer be flashed with TASMOTA. The Nous A1T should work according to the description. When buying, always look for current examples and reviews.

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Info: There are two versions, only the one with "W" is also WLAN-capable!



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### **Project Pieces Componenten \*Link (Affiliate - price remains the same for you)Note**

General 1 Litzen – Jumper Wire Kabel [https://amzn.to/3XZkuub\\*](https://amzn.to/3XZkuub*)

General 1 Breadboards [https://amzn.to/3kOViZb\\*](https://amzn.to/3kOViZb*)

General 1 12V 2 A Netzteil [https://amzn.to/3Y0CJzl\\*](https://amzn.to/3Y0CJzl*)

General 1 DC 5,5 mm 2,1 mm DC Stecker DC Buchse Steckverb  
[https://amzn.to/3j0M0Zm\\*](https://amzn.to/3j0M0Zm*)

General 1 Resistor Sortiment 25 Werte 1250 Stück  
[https://amzn.to/3H9Fho7\\*](https://amzn.to/3H9Fho7*)

General 1 PNP NPN Power Allzweck-Transistoren-Set  
[https://amzn.to/3X06OIS\\*](https://amzn.to/3X06OIS*)

General 1 LED 300 pcs 3mm 5mm [https://amzn.to/3HucDiV\\*](https://amzn.to/3HucDiV*)

General 1 LM2596S DC-DC Netzteil Adapter Step down Modul <https://amzn.to/3wMI3fv>\*

Mini weather station 1 BH170 Light sensor <https://amzn.to/3HulGAa>\*

Mini weather station 1 BMP180 temp sensor <https://amzn.to/3HvuDcl>\*

Mini weather station 1 12V 60mm fan 60 x 15mm <https://amzn.to/3H0Q1Fc>\*

Mini weather station 1 ESP32 D1 Mini NodeMCU <https://amzn.to/3j5kn1e>\*

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Visualize weather data on the e-ink display 1 Seeed Studio XIAO ESP32C3 <https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-> to ship from "DE-Warehouse" for EU shipping

Visualize weather data on the e-ink display 1 Waveshare 2.13 Inch e-Paper Display HAT 250x122 <https://amzn.to/3WE4IDX>\*

Visualize weather data on the e-ink display 1 3,7 V Lipo-Akku 2000mAh <https://amzn.to/3JctGXW>\*

Surveillance camera with ESP32-Cam 1 FT232RL USB zu TTL Serial Adapter für 3,3V und 5V <https://amzn.to/3WvusCs>\* Surveillance camera with ESP32-Cam 1 Resistors see "General

Surveillance camera with ESP32-Cam 1 Transistors see "General

Surveillance camera with ESP32-Cam 1 HC-SR501 PIR <https://amzn.to/403WGHl>\*

Time recording with RFID und TimeTagger 1 RFID Kit RC522 mit Reader, Chip und Card 13,56MHz <https://amzn.to/3Wy2whb>\*

Time recording with RFID und TimeTagger 1 ESP32 D1 Mini NodeMCU <https://amzn.to/3j5kn1e>\* Time recording with RFID und TimeTagger 2 LED see "General"

Time recording with RFID und TimeTagger 2 Resistors see "General"

Time-controlled plant watering 1 LM2596S DC-DC Netzteil Adapter Step down Modul <https://amzn.to/3wMI3fv>\*

Time-controlled plant watering 1 DC 5,5 mm 2,1 mm DC Stecker DC Buchse Steckverb <https://amzn.to/3j0M0Zm>\*

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Time-controlled plant watering 1 Seeed Studio XIAO ESP32C3 <https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-> to ship from "DE-Warehouse" for EU shipping

Time-controlled plant watering 1 HC-SR04 Ultra Sonic <https://amzn.to/3H65rYP>\*

Time-controlled plant watering 1 Relais 5V KY-019 Modul High-Level-Trigger <https://amzn.to/3JacEK9>\*

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delivered with a different chip since 2023 and therefore these Smart

Plugs can no longer be flashed with TASMOTA. The Nous A1T should

work according to the description. When buying, always look for

Smart Plugs and Relays 1 Tasmota Steckdose NOUS A1T <https://amzn.to/3XYixOr>\* current examples and reviews.

Smart Plugs and Relays 1 Shelly Plus 1PM <https://amzn.to/3kFAR0L>\*

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IoT Button 1 Seeed Studio XIAO ESP32C3

<https://www.seeedstudio.com/Seeed-XIAO-ESP32C3-> to ship from "DE-Warehouse" for EU shipping

IoT Button 1 3,7 V Lipo-Akku 320mAh [https://amzn.to/3Dec8qN\\*](https://amzn.to/3Dec8qN*)

Internet Radio 1 Speaker 3 Watt 8 Ohm [https://amzn.to/3j1SjMi\\*](https://amzn.to/3j1SjMi*)

Internet Radio 1 I2S 3W Class D Amplifier Breakout

[https://amzn.to/3wp9Scp\\*](https://amzn.to/3wp9Scp*)

Internet Radio 1 ESP32 NodeMCU [https://amzn.to/3WAIrhF\\*](https://amzn.to/3WAIrhF*)

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