#134 15$ LoRa Gateway with ESP8266 and a RFM95 (Tutorial)

71.842 weergaven

👍 1,4K   👎 11   ➤ DELEN   ≡+ OPSLAAN   •••

Andreas Spiess
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ABONNEREN 100K

In this video
- We will build a very small LoRa gateway using a RFM95 / RFM95W
- It even supports downlink and OTAA
- And all parts together do not cost more than about 15$
- Because it works with a ESP8266, we even have a wireless connection to the internet
- It is only single channel. But, because it is so cheap, why not build two or three on different frequencies?
- The build is very easy, because we can use a ready-made PCB, which is compatible with the Wemos shields.
- The optional Neopixels and the OLED display show us the traffic

Link:
New Version of Gateway (not tested by me): https://github.com/things4u/ESP-1ch-G...
Sketch: https://github.com/SensorsIot/ESP-1ch...
Alternative Sketch: https://github.com/marcobrianza/ESP-1...
PCB: https://pcbs.io/share/4Q1Z4
RFM95: https://www.aliexpress.com/item/RFM95...
Wemos D1 Mini: http://bit.ly/2oXSx5X

≡ ▶ YouTube   🔍 📹 ▦ 💬 🔔⁹⁺ Ⓜ

Github: https://www.github.com/sensorsiot

If you want to support the channel and buy from Banggood use this link to start your shopping:

https://bit.ly/2jAQEf4 (no additional charges for you)

https://www.facebook.com/SensorsIOT/

https://twitter.com/spiessa

Auteur ondertiteling (Pools)	Paweł Duńczewski
Categorie	Wetenschap en technologie

MINDER WEERGEVEN

Volgende

AUTOPLAY ◯

#172 Hidden: ESP32 and ESP8266 point-to-point (ESP-Now): Fast and efficient. Comparison with LoRa

Andreas Spiess

65K weergaven

16:07

SMD Soldering - SOIC SSOP Packages

Androkavo

35K weergaven

11:44

LoRa Module VS nRF24 VS Generic RF Module || Range & Power Test
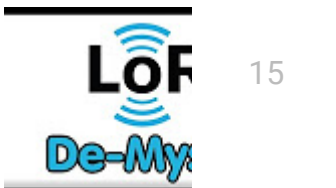
GreatScott! ✓

179K weergaven

8:07

Johan steelt de show tijdens partijcongres Forum voor Democratie | VERONICA INSIDE
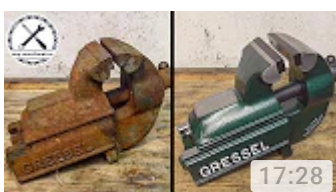
Veronica Inside

Aanbevolen voor jou

Nieuw

6:38

LoRa

15   Andreas Spiess

Rusty Deadlocked Vise - Perfect Restoration

my mechanics

Aanbevolen voor jou

17:28

Najib Amhali - Soa Test - Klassieker

Najib Amhali