

INTERNET OF THINGS

TELECOS.CAT

TARDOR

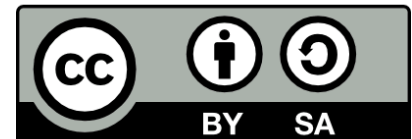
2022

JAUME NOGUÉS



telecos.cat

enginyers de telecomunicació,
electrònica i multimèdia-audiovisual



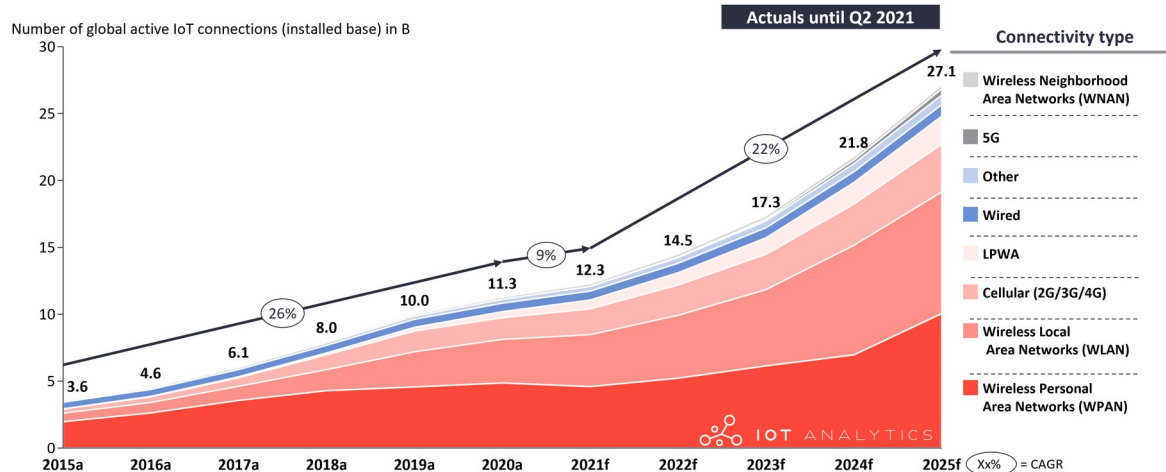
DISPOSITIUS CONNECTATS

IOT ANALYTICS

September 2021

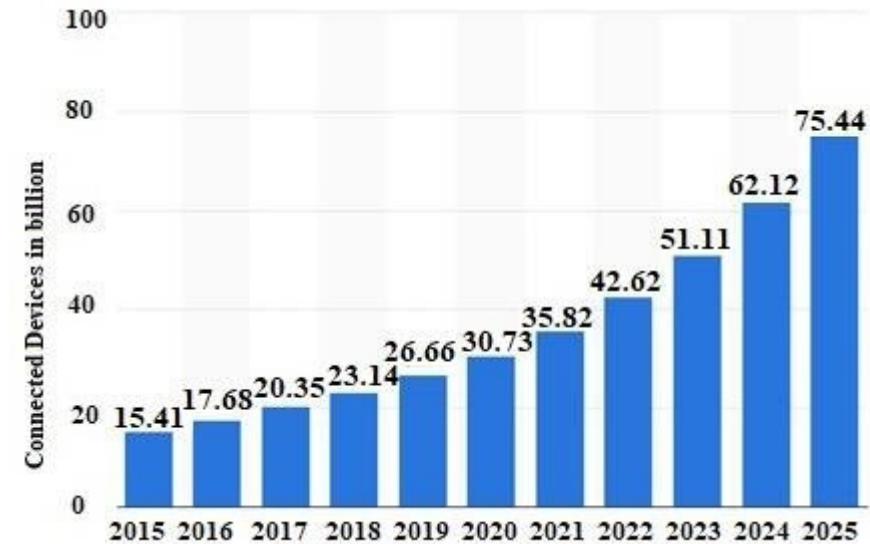
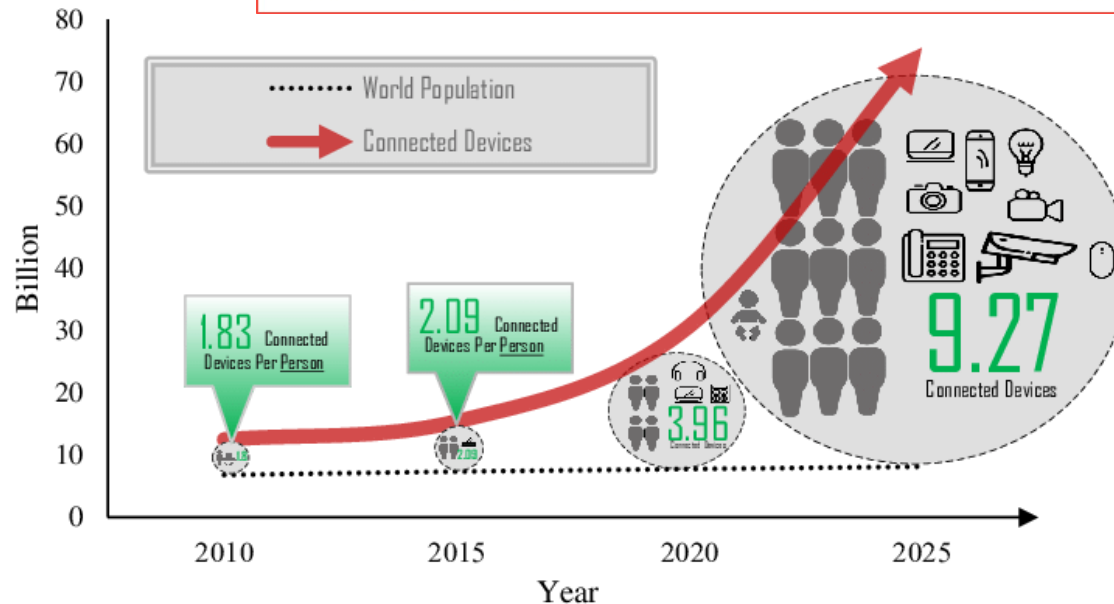
Your Global IoT Market Research Partner

Global IoT market forecast (in billion connected IoT devices)



Note: IoT Connections do not include any computers, laptops, fixed phones, cellphones or tablets. Counted are active nodes/devices or gateways that concentrate the end-sensors, not every sensor/actuator. Simple one-directional communications technology not considered (e.g., RFID, NFC). Wired includes ethernet and fieldbuses (e.g., connected industrial PLCs or I/O modules). Cellular includes 2G, 3G, and 4G. LPWAN includes unlicensed and licensed low-power networks. WPAN includes Bluetooth, Zigbee, Z-Wave, or similar. WLAN includes Wi-Fi and related protocols. WNAN includes non-short-range mesh, such as Wi-SUN. Other includes satellite and unclassified proprietary networks with any range.

Source: IoT Analytics Research, September 2021 – Please remember to cite IoT Analytics as the source (with link) when re-sharing this content as per our copyright policy



ON TROBEM IOT

SMART HOME

SMART DEVICE

CONNECTED HOME

D2D DEVICE TO DEVICE

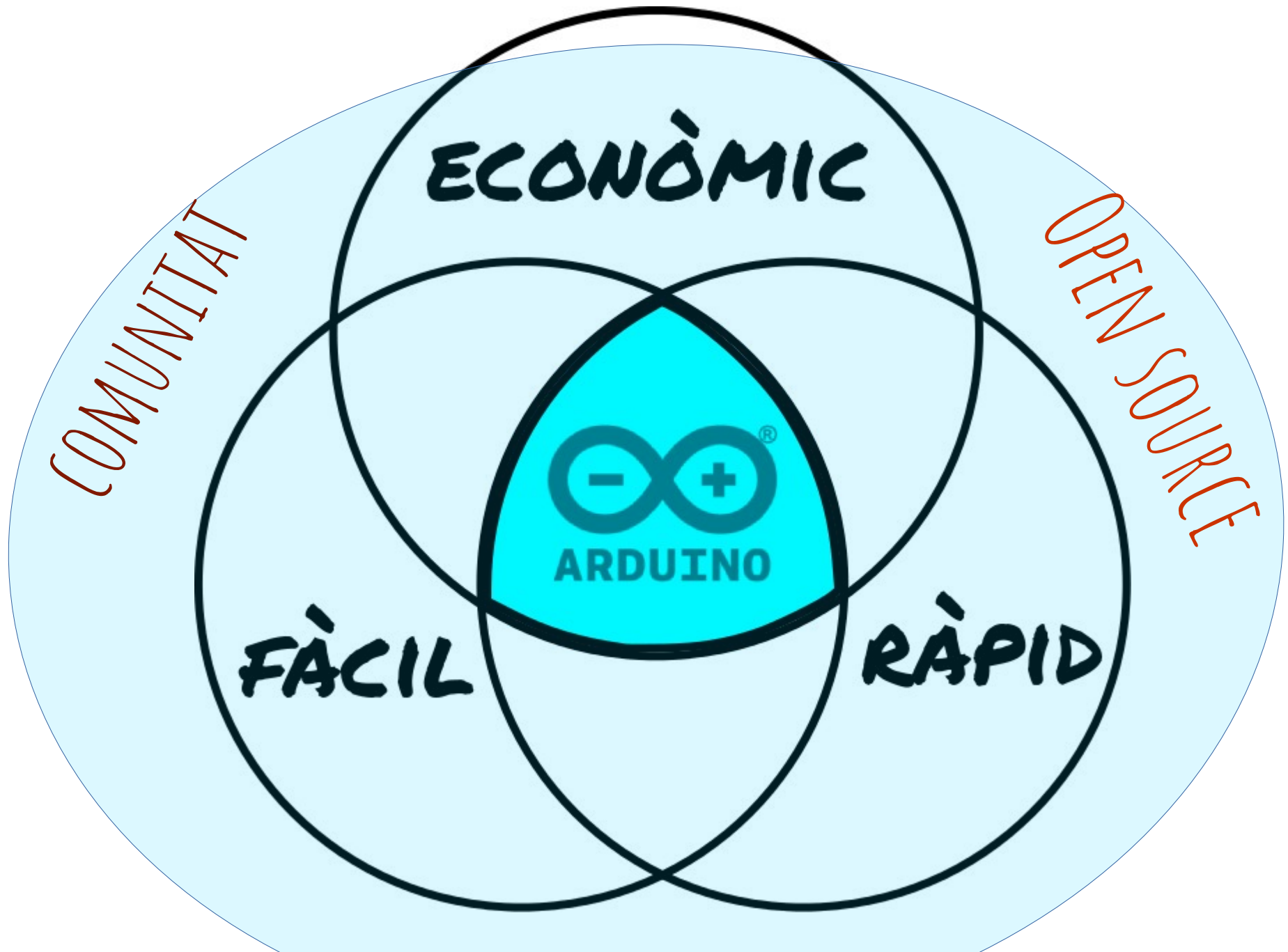
M2M MACHINE TO MACHINE

SMART FACTORY

SMART FARM

CONNECTED CAR

IoT DIY DO IT YOURSELF





open source
hardware



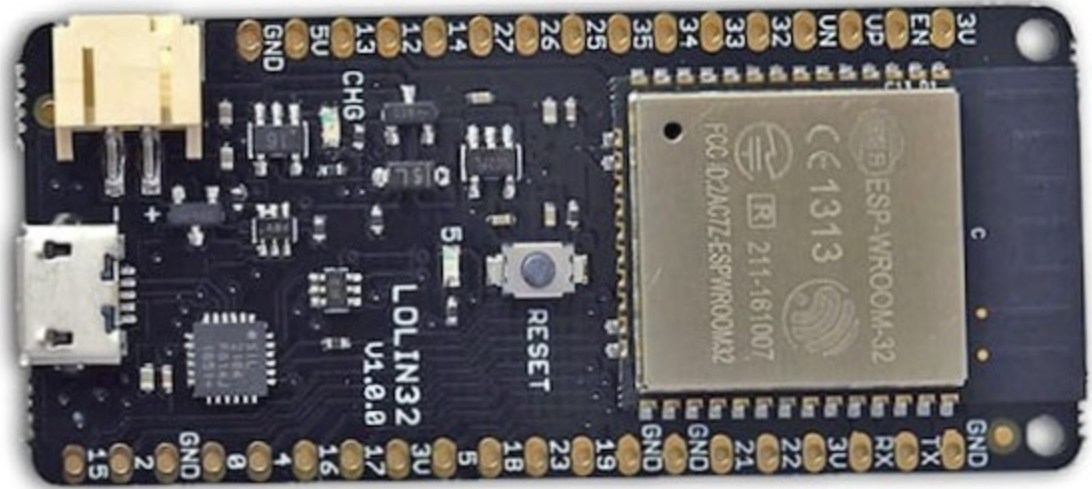
ARDUINO TEAM



ESP8266 / ESP32, PRESENT I FUTUR



1€



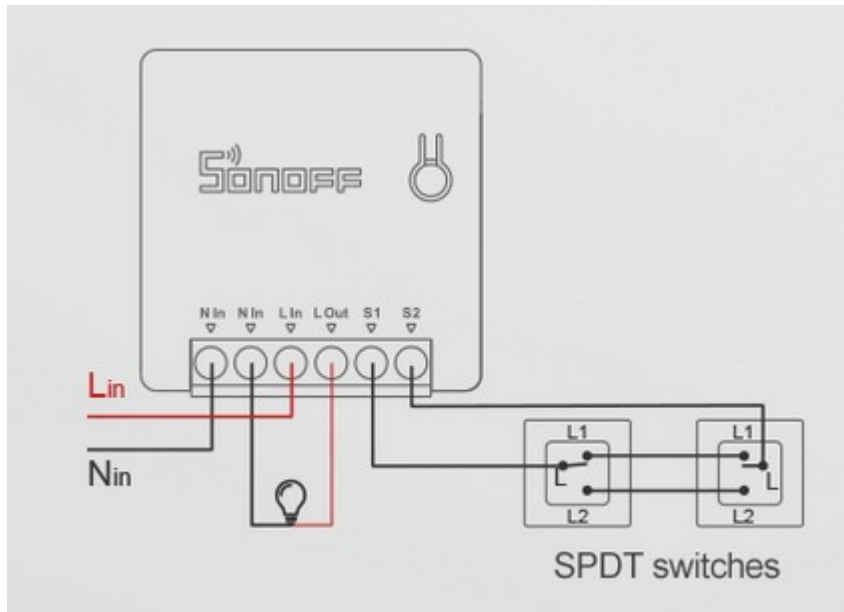
CONNECTIVITAT



PRODUCTES COMERCIALS

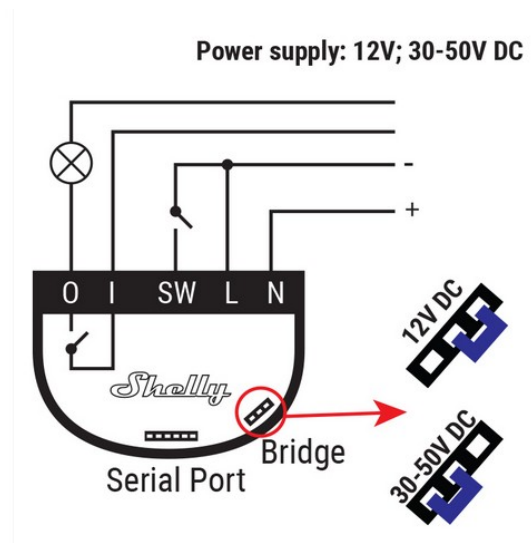
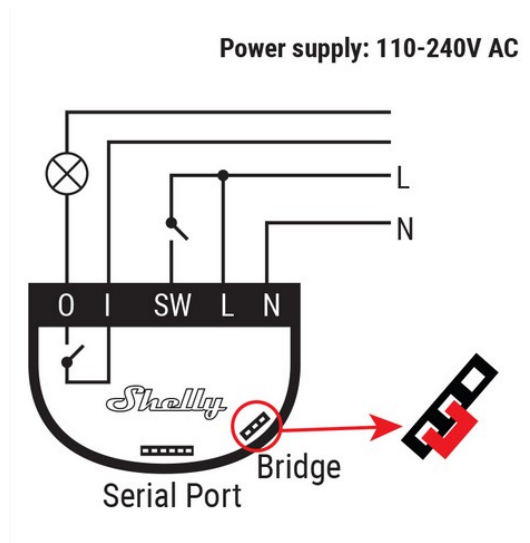
SONOFF

SONOFF.TECH



PRODUCTES COMERCIALS

SHELLY.CLOUD



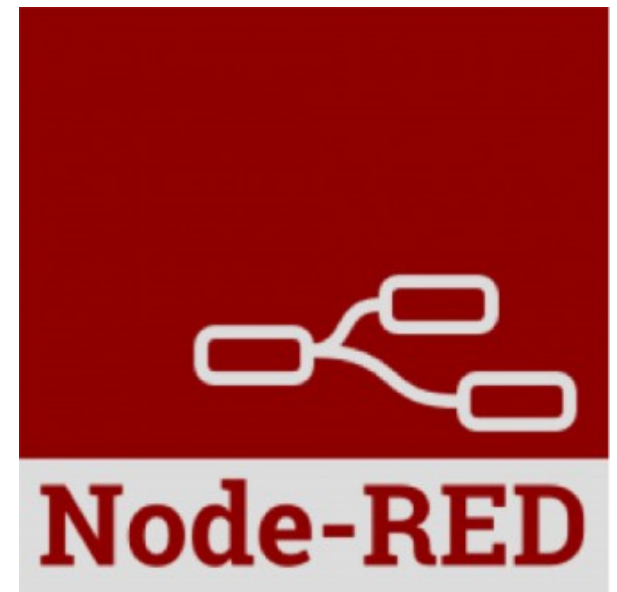
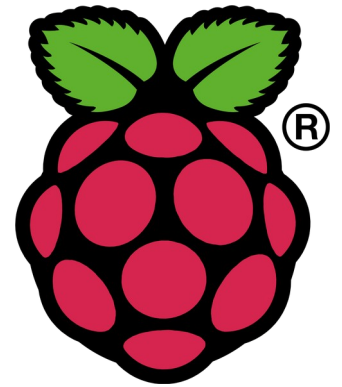
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Note: For companies to be included in IoT Analytics IoT startups database they must be founded in or after January 2013, focus on building solutions for the Internet of Things and provide part of a solution focused on at least one area of the IoT technology stacks layers. Companies can offer more than one technology. This list represents a best effort to capture the entire landscape; however, it does not claim to be exhaustive, as some start-ups will have inevitably been missed

Source: IoT Analytics Research 2021, IoT Startups Report and Database 2021

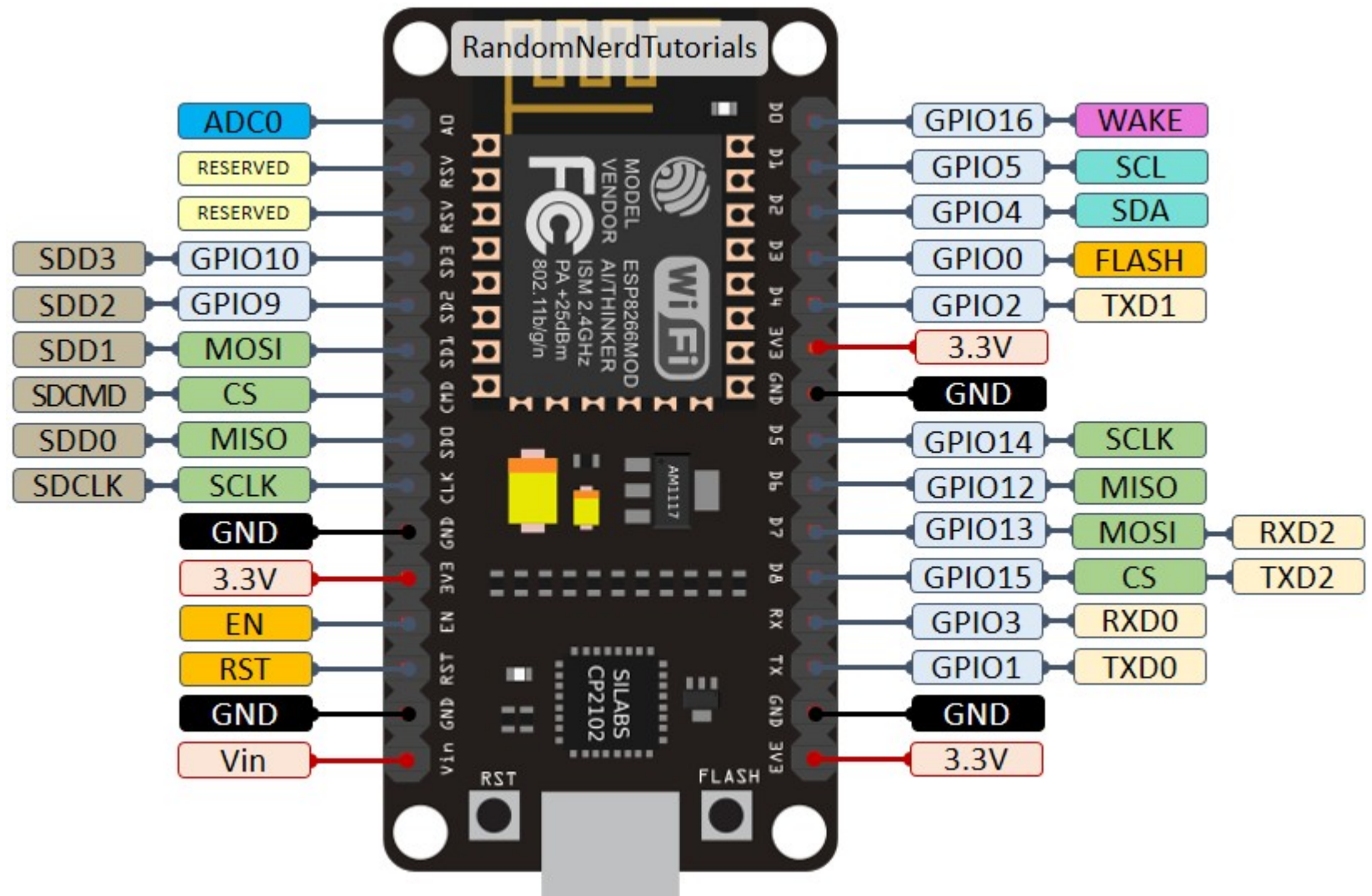
LINK DOCUMENT ORIGINAL

QUÈ PODEM UTILITZAR?



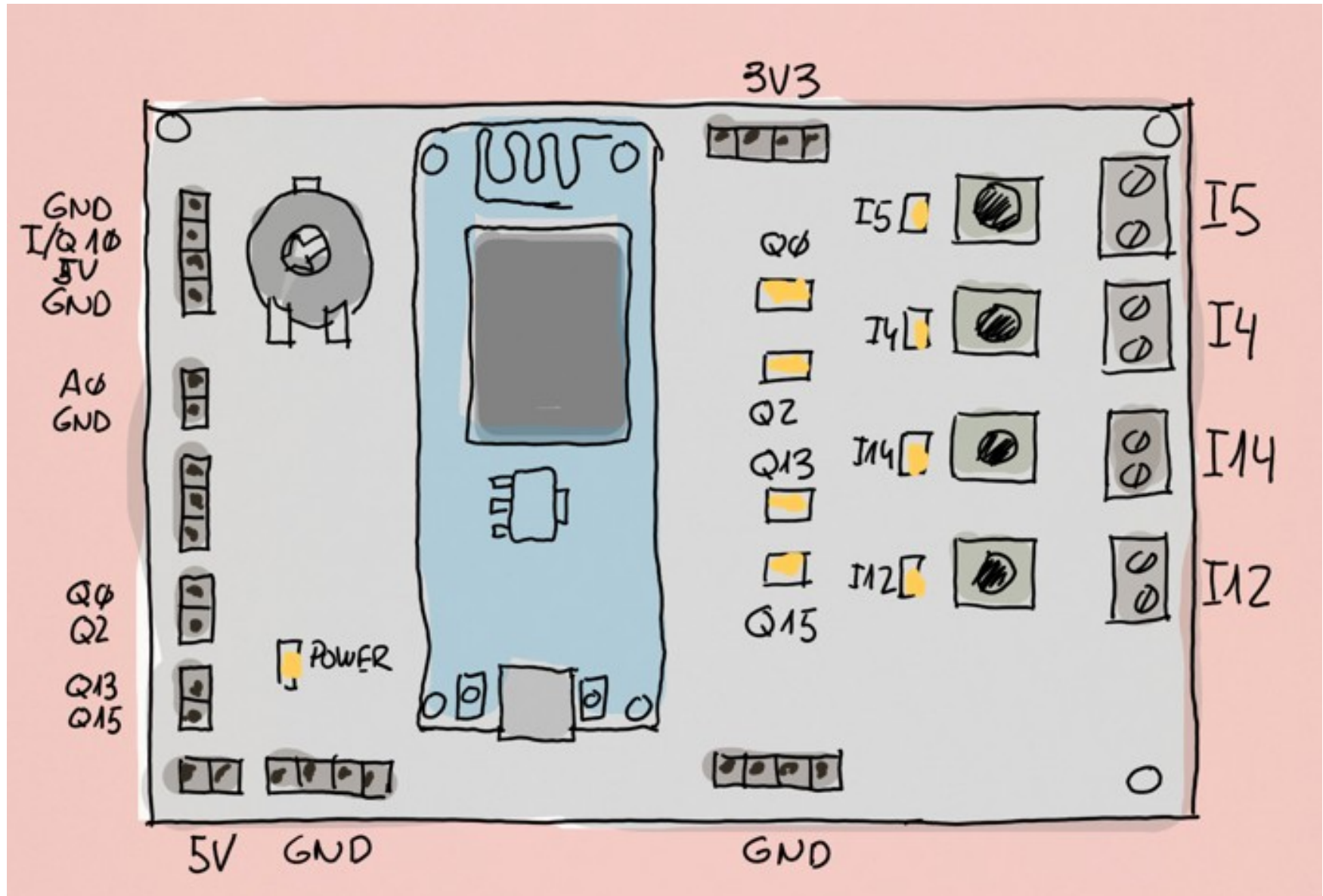
HARDWARE RECOMANAT

NODEMCU ESP8266

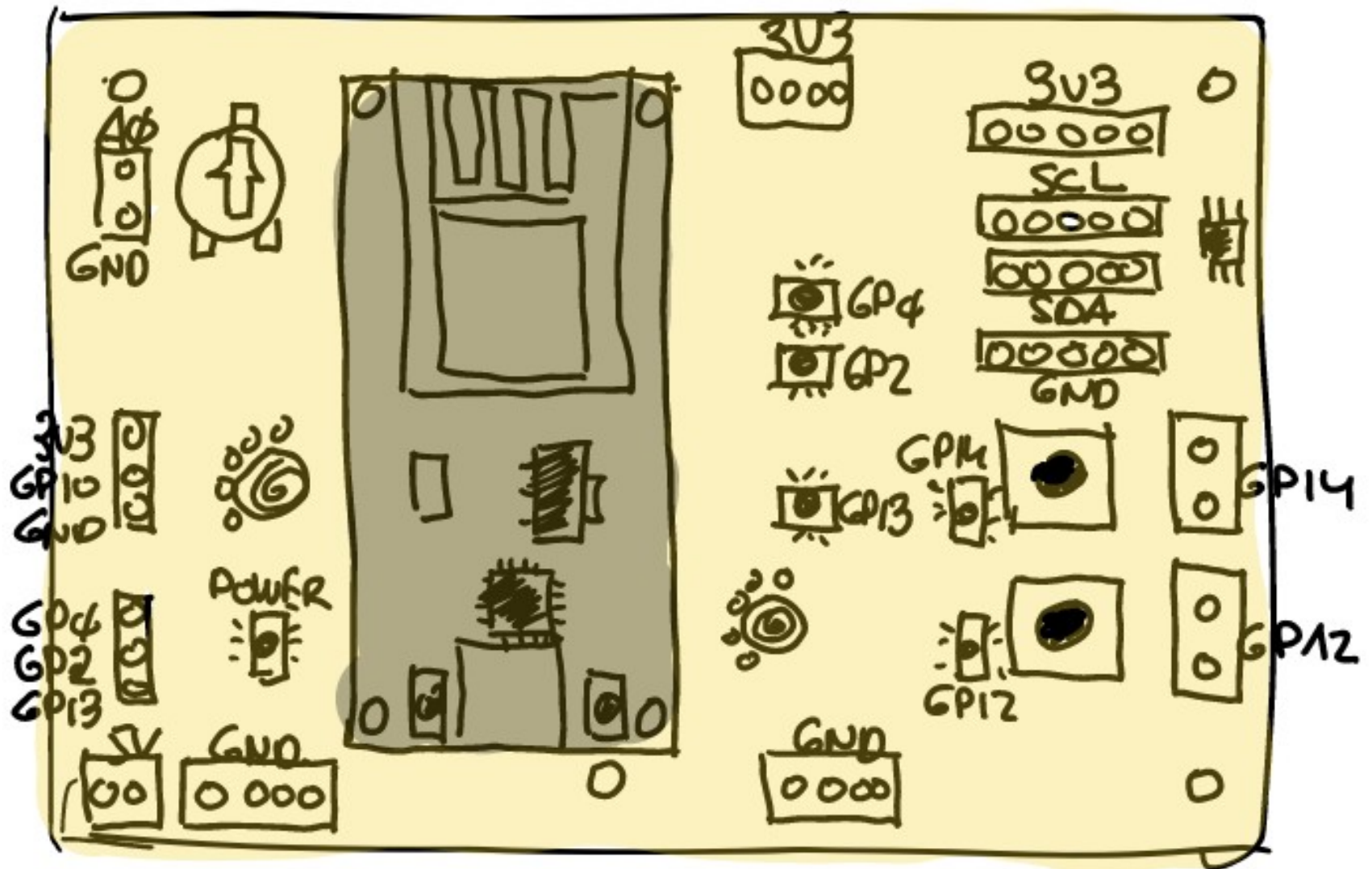


HARDWARE RECOMANAT

NODEMCU ESP8266

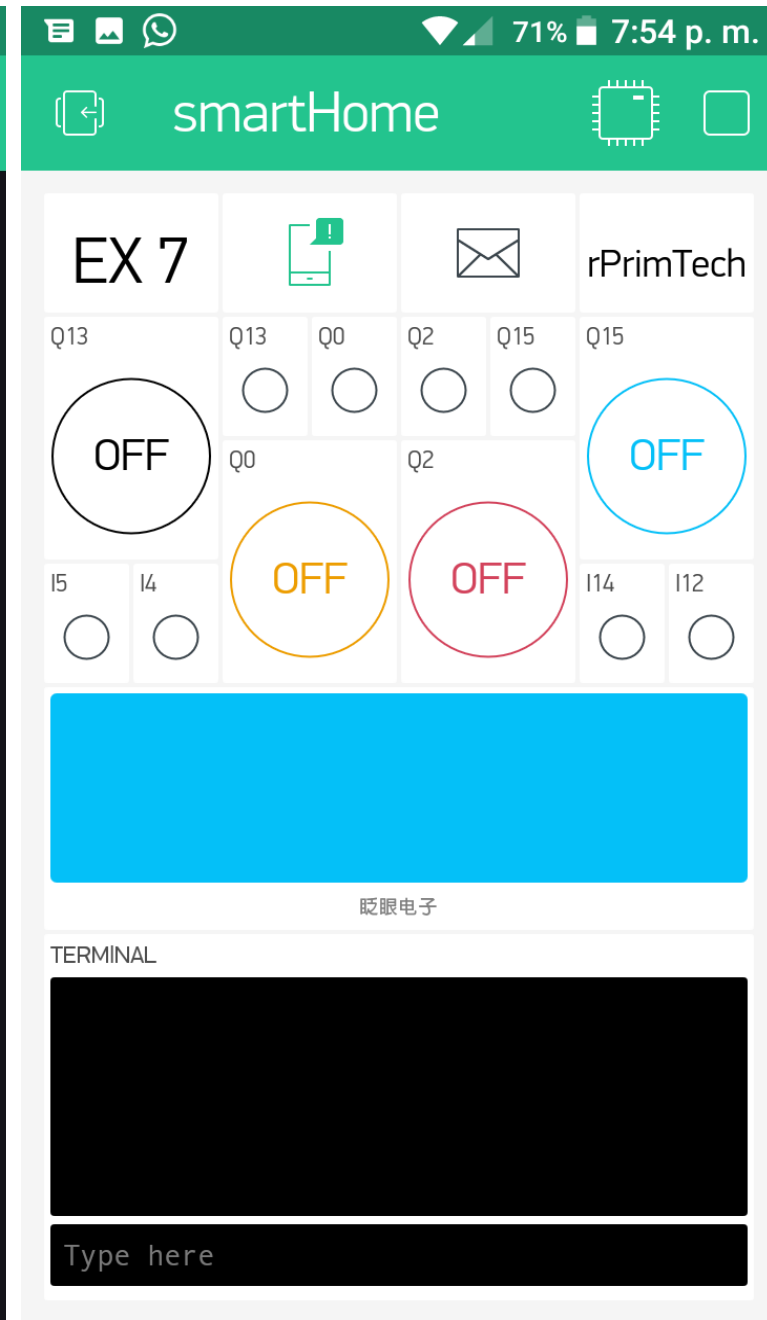


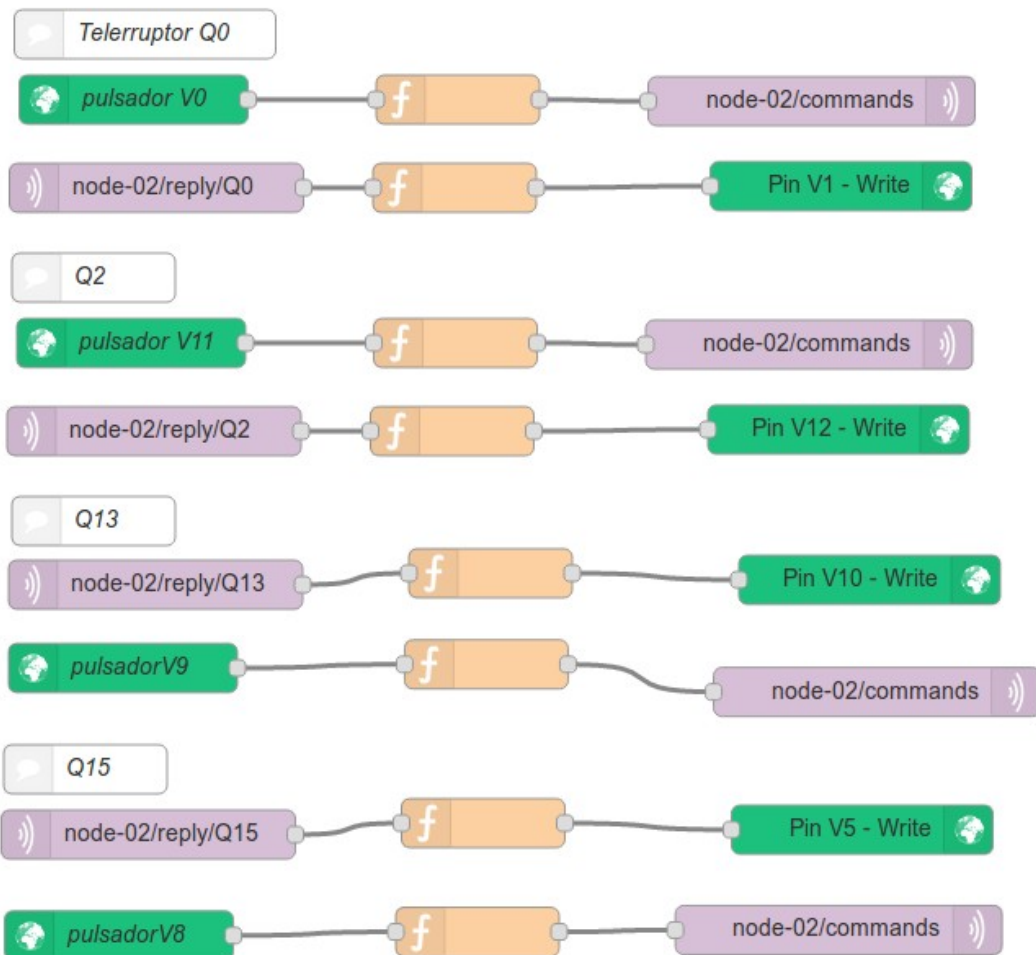
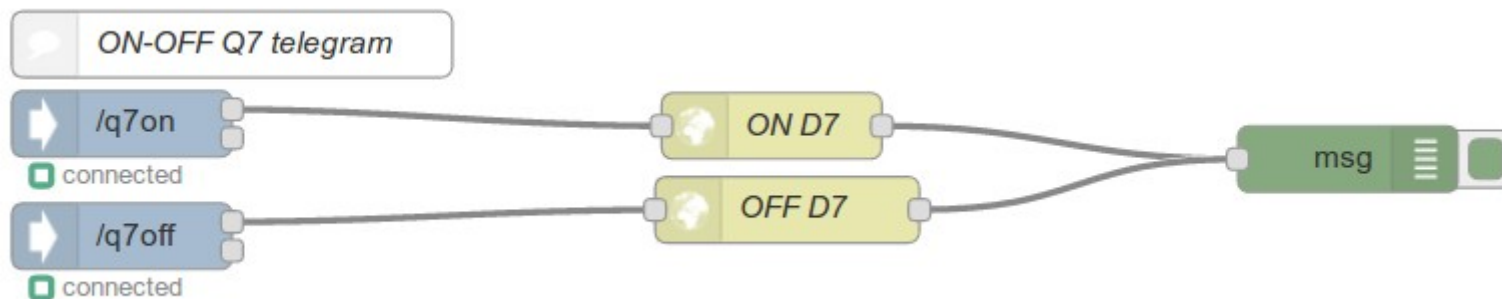
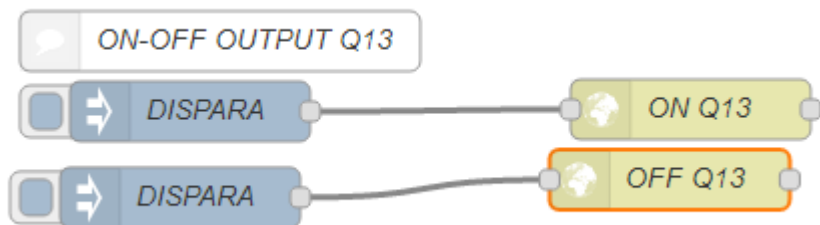
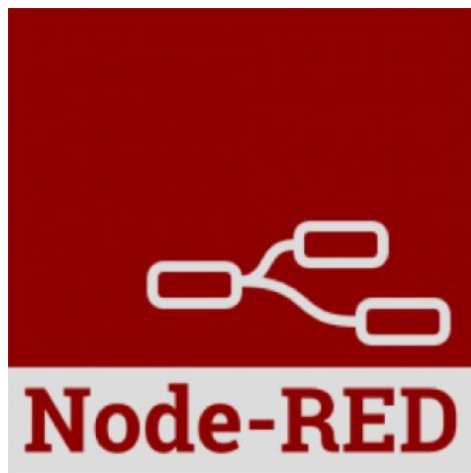
NODEMCU ESP8266





Blynk app







Particle



sigfox



IBM Bluemix™



Bluetooth®



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@RPRIMTECH



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