

Contador Personas

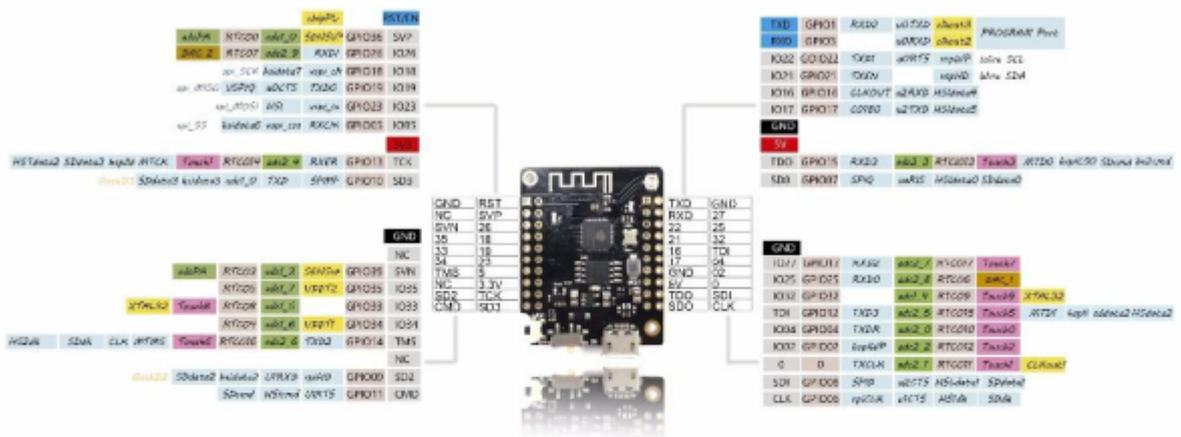
- Basado en proyecto → <https://github.com/cyberman54/ESP32-Paxcounter>

```

// ----- Paxcounter user config file -----
//
// --> adapt to your needs and use case <--
//
// Note: After editing, before "build", use "clean" button in PlatformIO!

```

- LILYGO® TTGO MINI 32 V2.0 ESP32 WiFi bluetooth Module



Wifi + Bluetooth Board
4MB Flash MINI 32 v2.0

<p>Power</p> <p>ESP32 VCC range: 2.2V-3.6V VBAT: direct to battery (and charger) VUSB: direct to USB (5V) VCC: Output of regulator 3.3V/600mA Up to 250mA during RF transmissions</p> <p>Wireless</p> <p>Wifi: 802.11 b/g/n/e/l WPA/WPA2/WPA2-Enterprise/SPS Bluetooth: Bluetooth 4.2/BLE</p>	<p>ESP32</p> <p>Dual-core Xtensa 32-bit LX6 Up to 240MHz 520kB internal SRAM 4MB external flash</p> <p>Multiplexed I/Os allow up to</p> <p>18 ADC channels 3 SPI interfaces 3 UART interfaces 2 I2C interfaces 2 I2S interfaces 16 LED PWM outputs 2 DACs 10 Capacitive Touch Inputs</p>	<p>ADC Preamp</p> <p>GPIO pins 36, 37, 38, and 39 are able to be used as a low noise analog pre-amplifier</p> <p>Other*</p> <p>Hall Sensor Temp sensor (-40C to 125C) SD/SPI/I2C/MMC Host Controller CAN Bus</p> <p><small>*On software, but may not be supported yet</small></p>	<table border="1"> <thead> <tr> <th>Name</th> <th>ADC</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>DAC</td> </tr> <tr> <td>GPIO</td> <td>SPI</td> </tr> <tr> <td>Control</td> <td>UART</td> </tr> <tr> <td>Antenna</td> <td>Touch</td> </tr> <tr> <td>GPIO</td> <td>Misc</td> </tr> </tbody> </table> <p><small>*GPIO: Port Input Only *ADC: Pre-amplifier ADC GPIO 3.3V tolerant only</small></p>	Name	ADC	Power	DAC	GPIO	SPI	Control	UART	Antenna	Touch	GPIO	Misc
Name	ADC														
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GPIO	SPI														
Control	UART														
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- Project issue 299: Add configurations to send data over wifi → <https://github.com/cyberman54/ESP32-Paxcounter/issues/299>
- Project issue 331: Running the program on a simple ESP32 board (without Lora) → <https://github.com/cyberman54/ESP32-Paxcounter/issues/331>
- Project issue 612: Bluetooth: observations/questions → <https://github.com/cyberman54/ESP32-Paxcounter/issues/612>

#1: BLE on/off status is persisted via non volatile RAM. Initially the mode is taken from BLECOUNTER setting in paxcounter.conf. If you reflash the device after flashing it with default BLECOUNTER=0 you need to alter the BLE mode, either by rcommand, or by clearing NV RAM. Clearing NV RAM during startup can be enforced by modifying the version number. Yes, this is a crappy logic. Pull requests for improvement are welcome.

#2 scan detection time and, thus, exploration rate, of Wifi and BLE sniffing differ. To compare exploration rates it is necessary to average samples over time. Since ESP32 has only 1 RF radio, scanning of wifi devices has a 1:13 ratio, while BLE has 1:3, so BLE packets can be faster scanned, but it depends on the device, if/when a BLE packet is sent.

- You could use the new corona warn app as a BLE packet generator.

```

[common]
; for release_version use max. 10 chars total, use any decimal format like "a.b.c"
release_version = 1.9.998

```

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