Tips, Tricks, and Tribulations

2025 BSIDES KNOXVILLE BADGE

ESP32-S3

- 2.4GHz Wi-Fi
- BLE5
- AI Acceleration
- Micro Python
- Arduino IDE

https://www.espressif.com/en/products/socs/esp32-s3

ESPRESSIF

Screen One

FOX PICK

2025 BSIDES KNOXVILLE BADGE

Screen Two

FOX PICK

Screen Three

FOX PICK

Screen Four

FOX PICK

How Do I talk to it?

- CH340 Driver
- USB Type-C Cable
- Putty or Arduino IDE

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**********************************************
***************Menu Commands******************
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[name:<type your name here>]
[ssid:<WiFi Name>]
[pw:<WiFi Password>]
[timeout:<screen time out in seconds>] 0 = OFF
[reboot] Reboots Badge
[reset] Clears saved data
[scroll] changes the scrolling speed (lower number is faster)
[debug] turns on debug
[timezone] Chnages time zone EST, CST, MNT, PST
[cutoff] changes BT dB sensitivity. (0 to -99)
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```

Resources

- Espressif - https://www.espressif.com/en
- WHC - https://www.wch-ic.com/
- Arduino - https://www.arduino.cc/
- Micro-Python - https://micropython.org/
- Putty - https://www.putty.org/