



Rolla Regional Amateur Radio Society

General Meeting - June 5, 2017



Welcome
Visitors & New Members

Agenda

Welcome

New/Old Business

Upcoming Events

Tech Discussion



Old Business

Remote RX for 147.210: Committee (Ron, Steve, Sergii, Joe) update...

Field Day - To be covered in more detail later in the meeting.

New Business

Advisory Board Meeting: Advisory Board Meeting



Lions Club Park June 24-25

Saturday

- 10 AM Station set-up
- 2:30 PM Test Session
- 5 PM BBQ
 - Bring sides
- 11 PM Gate Closes?

Sunday

- 1 PM Station take-down

Stations?

- SSB
- Digi
- CW

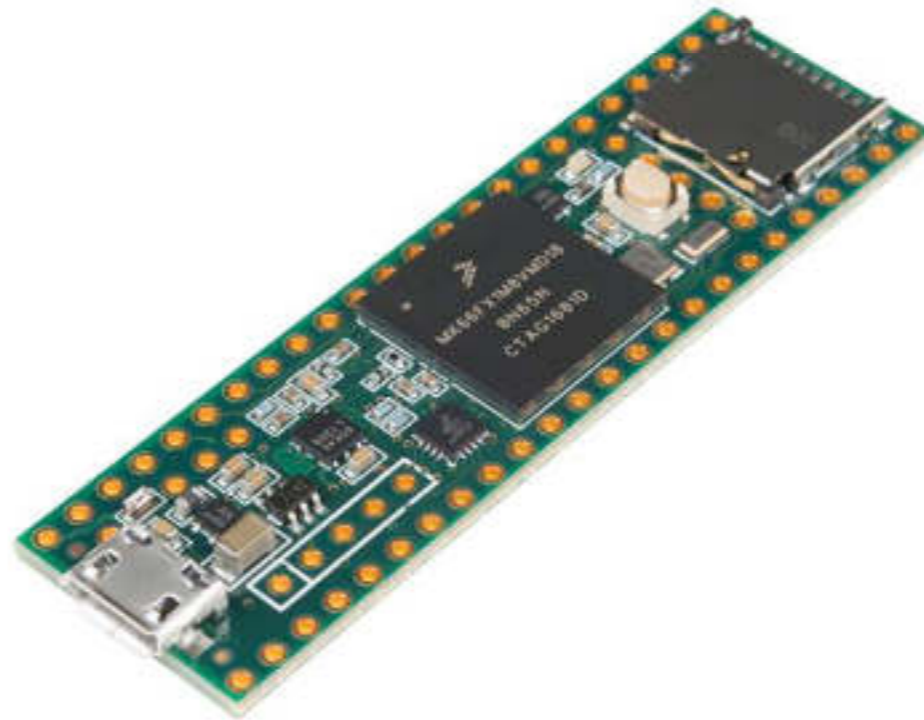
Teensy



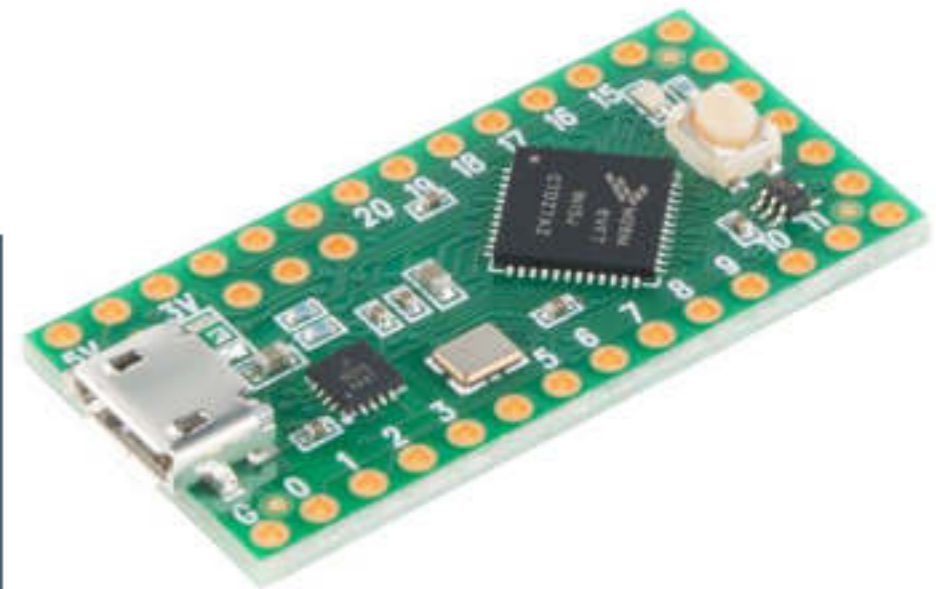
It's kinda like Arduino

Various Models

Teensy 3.5 / 3.6



Teensy 3.2



Teensy LC

Specifications

Teensy LC	Teensy 3.1 / 3.2	Teensy 3.5	Teensy 3.6
ARM M0+ 48 MHz	ARM Cortex-M4 72 MHz (96 MHz OC)	ARM Cortex-M4F 120 MHz	ARM Cortex-M4F 180 MHz (240 MHz OC)
62K Flash / 8K RAM	256K Flash / 64K RAM	512K Flash / 192K RAM	1M Flash / 256K RAM
27 DIO / 13 AI / 10 PWM	34 DIO / 21 AI / 12 PWM	58 DIO / 27 AI / 4 PWM	58 DIO / 25 AI / 6 PWM
3 UART	3 UART, DSP extensions	6 UART, FPU	6 UART, FPU
Single 12-bit ADC Single 12-bit DAC	Dual 13-bit ADC w/PGA Single 12-bit DAC	Dual 13-bit ADC Dual 12-bit DAC	Dual 13-bit ADC Dual 12-bit DAC
\$11.65	\$19.80	\$24.25	\$29.95

Ham Radio Attractions

-
- Low Cost
 - Easier to get started (vs other processors)
 - Lots of accessories available
 - Don't have to spend days wondering if your hardware works
 - Onboard USB programmer
 - Active community
 - Build your own USB device!
-

USB Device Emulation

-
- Serial Port
 - Keyboard
 - Mouse
 - Joystick
 - Touchscreen
 - MIDI
 - Soundcard
 - Using CODEC chip
 - Or onboard ADC/DAC
 - Raw HID

...and all of them at the same time!

Demo



128 x 64 Graphical OLED (\$33 + \$17)

USB Soundcard (\$17 + \$17) Signalink Replacement? SDR?

References & Links

Teensy Technical Specifications -

<https://www.pjrc.com/teensy/techspecs.html>

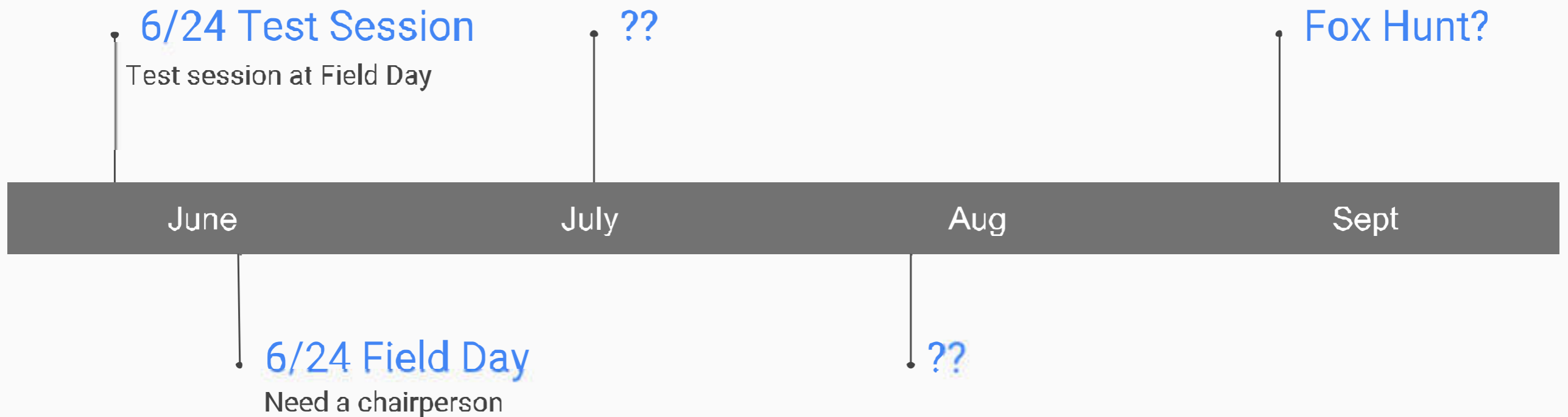
Teensy Products at SparkFun -

<https://www.sparkfun.com/categories/267>

Teensy Products at Adafruit -

<https://www.adafruit.com/?q=teensy&>

Upcoming Events



Next Meeting
July 10th

