### RPi3B+ vs FPGA

- Arty A7-35T \$99.00
  When I purchased.
- \$129.00 Arty A7-35T
  \$249.00 Arty A7-100T
- Logic Cells32,280 101,440
- Block RAM (Kbits)1,800 4,860

- Price \$35.00
- 1.4GHz 64-bit quadcore processor
- wireless LAN,
  Bluetooth 4.2
- micro SD card
- Full-size HDMI

- 256MB DDR3L with a
  16-bit bus @ 667MHz
- 10/100 Mbps Ethernet
- Verilog or VHDL
- Requires Xilinx software to create bit file.

- 1GB LPDDR2
  SDRAM
- 4 USB 2.0 ports
- Gigabit Ethernet over USB 2.0 (maximum throughput 300 Mbps)
- Micro SD port

- 4 PMOD I/O
- Arduino™ R3 Headers
- Arty isn't bound to a single set of processing peripherals; one moment it's a communication powerhouse chockfull of UARTS. SPIS

- CSI camera port for connecting a Raspberry Pi camera
- DSI display port for connecting a Raspberry Pi touchscreen display
- Size 85mm x 45mm
  3.34646in x 1.77165in

full of UARTs, SPIs,

- Support several SOC ARM, MicroBlaze, and ZipCPU.
- Uart, SPI, IIC, GPIO, and PWM
- Host lo end one of kind HX8K Lattice
   FPGA using 8 bit data

port with hand shaking. SOC ZipCPU