Nucleo L432KC

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Talked about mBED
Today

- Going to talk about Nucleo
Overview

- standard dip package for easy prototyping
- ST-LINK/V2-1 debugger/programmer
- $10.99 from digikey
- limited license agreement
Nucleo Features

- On board debugger/programmer with SWD
- Arduino Uno Revision 3 connectivity
- Flexible board power supply – 3.3V, 5V, 7-12V
- User LED
- One push button: RESET
- microUSB interfaces:
  - Virtual com port
  - USB disk drive for drag’n’drop programming
  - Debug port
Microcontroller Features

- ARM 32b Cortex M4 CPU
- 80MHz max frequency
- 256KB Flash
- 64KB SRAM
- 4 General purpose timers
- 2 SPI
- 2 I2C
- 2 USART
- 10 channels of 12-bit ADC
- 20 GPIO w/ ext interrupt capability
- 1 RTC
PCBs
- STM32L432 Data Sheet
- Nucleo32 L432