RPi3B+
4 USB
Ethernet
UART
HDMI
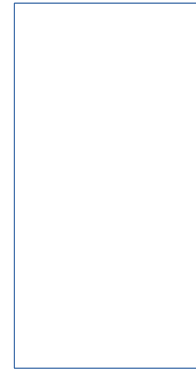1.4 GHz
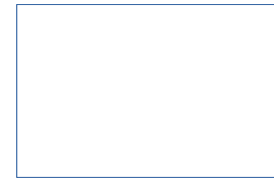1G Memory

8 data lines & 3 HS

CatBoard

Rpi3B+ 40 pin I/O

Ice40 HX8K FPGA

2 12 pin PMOD
4 Green Leds

2 push button

4 dip sw

SDRAM

RPi3B+

CatBoard