Hardware

- BMD 101 is used as our ECG senser, data collected by the sensor will be transmitted to raspberry pi by bluetooth.

- raspberry pi will preprocess the data for our model and send it to ARC EM9D AIoT DK by Uart.

- ARC EM9D AIoT DK will generate prediction from the data and send the result back to raspberry pi by Uart and upload it to cloud

- Touch sensor is used as a start button, connected to raspberry pi by GPIO

- LED Bar is used as a progress bar for data collection, connected to raspberry pi by GPIO

硬體架構