DIY tutorial

1. Prerequisite

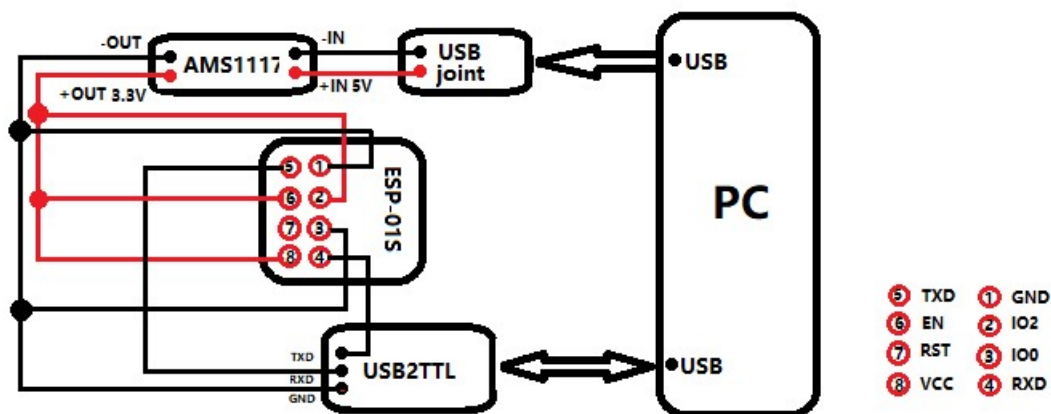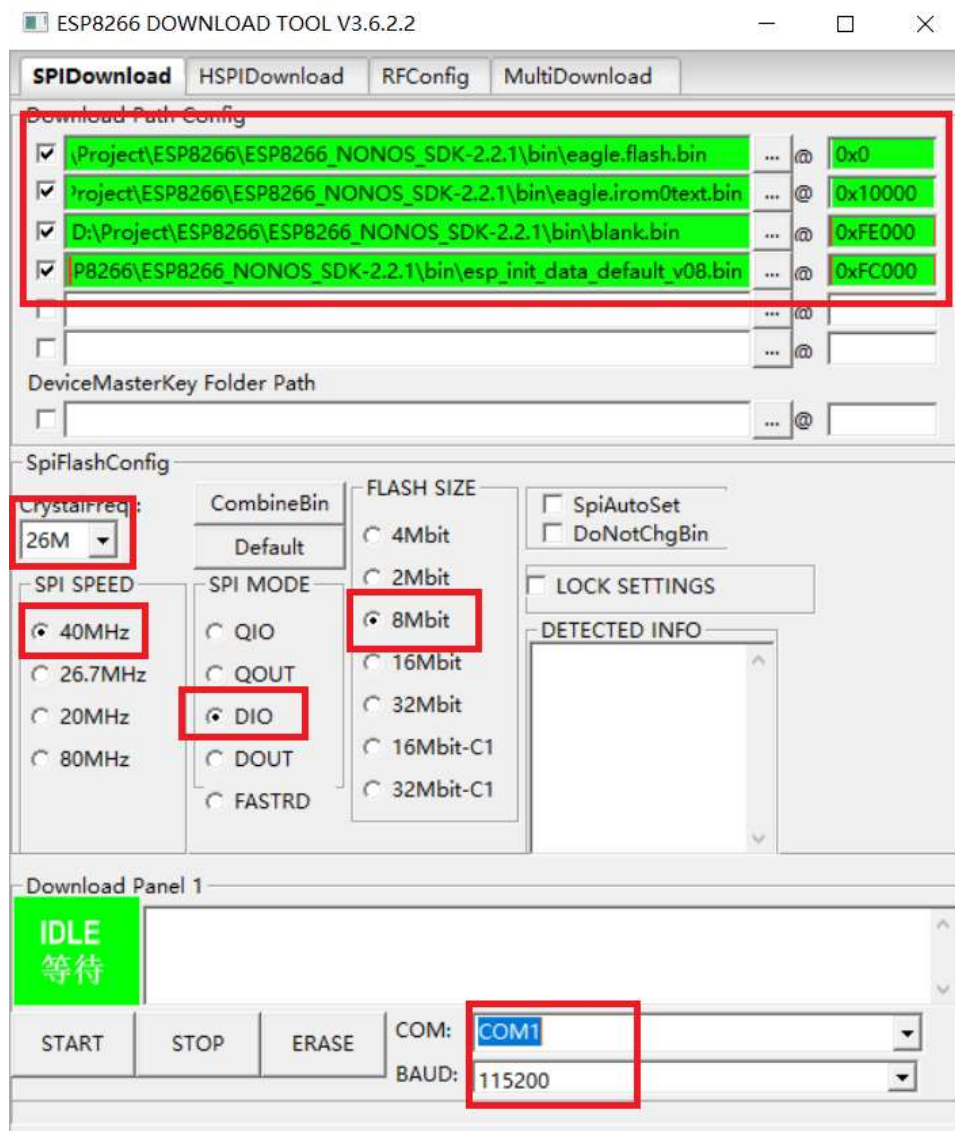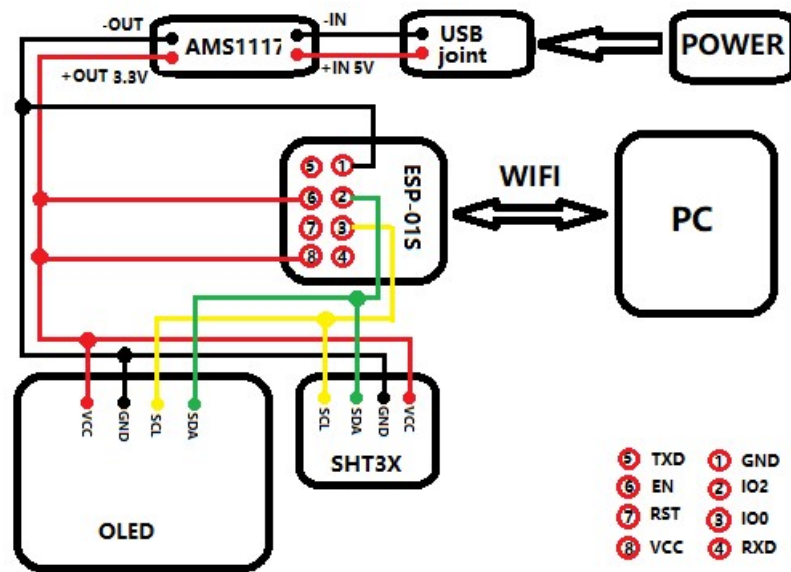|			
ESP-01S	https://item.taobao.com/item.htm?spm=a1z10.5-c-s.w4002-16491566042.46.4cc22ff5ngyfo0&id=543468772547		
SHT3X	https://detail.tmall.com/item.htm?spm=a220m.1000858.1000725.2.30beef79zKM3Ea&id=560992049885&skuId=3924364604646&areaId=610100&user_id=2207691322&cat_id=2&is_b=1&rn=0c277d8cc98ba59d0407c345eb5f5fd5		
0.96 寸 OLED 显示屏	https://item.taobao.com/item.htm?spm=a230r.1.14.53.2b3e2b47CX993f&id=545972505955&ns=1&abbucket=5#detail		optional
USB 转 TTL CH340 模块	https://detail.tmall.com/item.htm?id=41299186436&spm=a1z09.2.0.0.72402e8dyBUGZQ&_u=12qej9kr238e		
AMS1117-3.3V	https://detail.tmall.com/item.htm?id=41285499390&spm=a1z09.2.0.0.72402e8dyBUGZQ&_u=12qej9kr22a5		
杜邦线 10CM 母对母	https://detail.tmall.com/item.htm?id=41272422385&spm=a1z09.2.0.0.72402e8dyBUGZQ&_u=12qej9krfcbd&sku_properties=122216547:20213		optional
USB 接口母座 MICRO 接头	https://detail.tmall.com/item.htm?spm=a1z10.3-b-s.w4011-16538328900.69.6e1c3d6cPZM673&id=41230755573&rn=070e28b5f008e429e9a312a15369af45&abbucket=5		

2. Write firmware to flash in ESP-01S

1. First connect parts following circuit diagram.

2. Run ESPFlashDownloadTool_v3.6.2.2.exe , click "ESP8266 DownloadTool" button, then select firmware files and other items; you should reference following screenshot; latest click "START" button.

3. Again links SHT3X and OLED to ESP-01S after you downloaded firmware successfully, and references following circuit diagram.

4. If now your OLED had displayed temperature and humidity correctly, you should run ESP_SHT3X_SERVER.exe app and configure parameters of receiving data from ESP-01S.