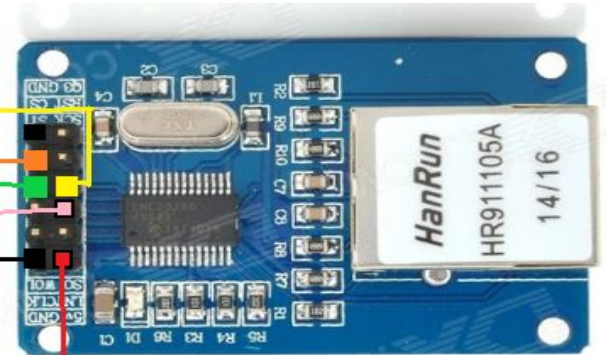
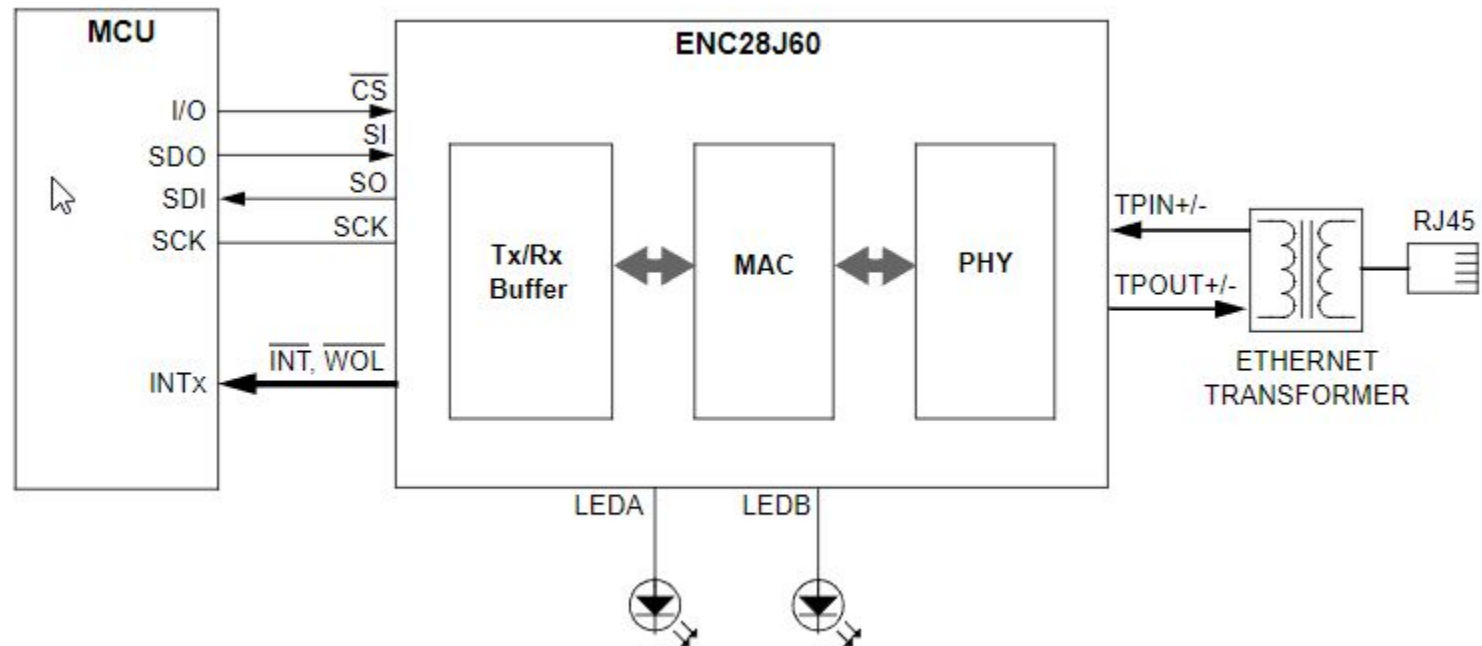


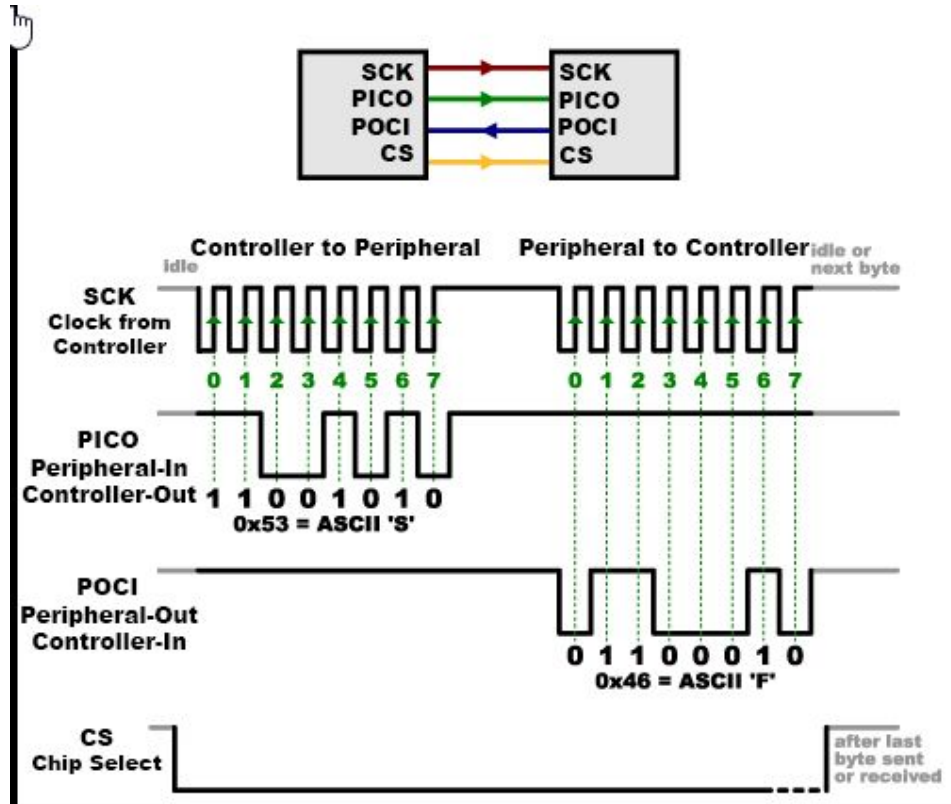
Setting up MQTT with TLS on Arduino



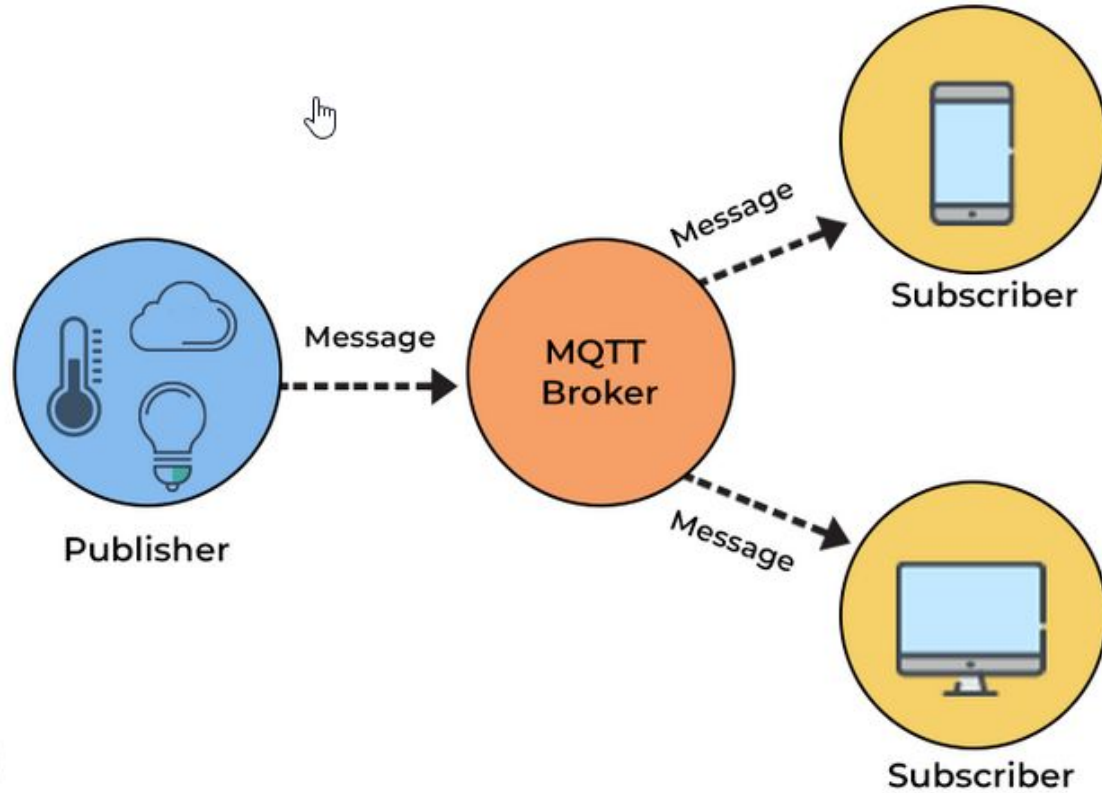
Block diagram for enc28j60



Timing Diagram for SPI

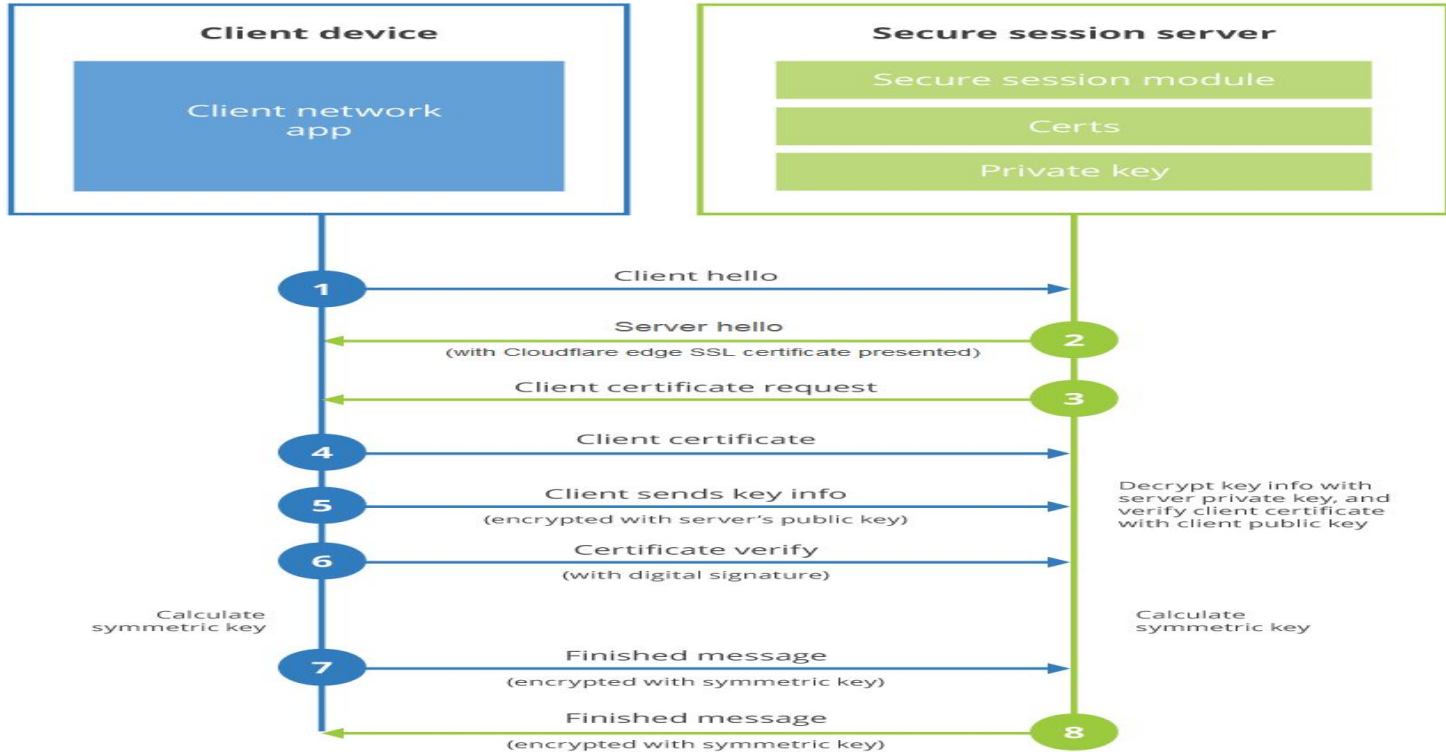


MQTT protocol



TLS

Client-authenticated TLS handshake



NOTE

Things to modify

- Add certs to activate tls
- Add necessary libraries
- Modify ethernet.h to replace the below lines with the lines in the next line

```
#if defined(RAMEND) && defined(RAMSTART) && ((RAMEND - RAMSTART) <= 2048)
```

```
#define MAX_SOCKET_NUM 4 #else #define MAX_SOCKET_NUM 8 #endif
```

- #define MAX_SOCKET_NUM 2 #define ETHERNET_LARGE_BUFFERS

Reference git

<https://www.arduino.cc/reference/en/libraries/sslclient/>

https://www.emqx.com/en(free mqtt broker)