

ESP32-S3

Main Task
(Priority 5, Core 0)

Declare recvbuf
and wifiQueue

Init Wi-Fi

Init SPI Slave

Do SPI
transaction

Move recvbuf to
wifiQueue

Socket Task
(Priority 5, Core 1)

Initialise socket

Item in
Queue?

Yes

Socket send item

No

Server

Declare
receive buffer

Start socket
server

Receive data

Buffer full?

Yes

No

Save to disk

