

# Creating a TCP SSL/TLS eS-WiFi Firmware Image

#### 1. Create a folder on your PC with the following files:

- ISM43362\_M3G\_L44\_C3.5.2.3 (Latest firmware)
- Certificate.crt (PEM format certificate)
- Private.pem.key (PEM format key)

### 2. Open the eS-WiFi Demo Program to create the Image.



### 3. Next Select Menu—>Firmware —>Customize —> Run

|                     | Inventek Systems eS-WiFI Demo –  | × |
|---------------------|--|---|
|                     | enu Setup CMD Mode GPIO Protocol Send/Receive Status Network Help  |   |
|                     | Clear Screen Copy to Clipboard   | ^ |
|                     | Install Drivers  |   |
|                     | Firmware Address   |   |
|                     | Exit Configure   |   |
|                     | Verify<br>Update<br>Set MAC Address<br>Internal Bootloader (ZU)<br>Customize AWS Certs<br>Logo/Favicon<br>SSL Cert/Key 0 |   |
|                     | SSL Cert/Key 1<br>Run  | V |
| www.inventeksys.com | Embedding Connectivity Everywhere  |   |



## Go to the Folder in Step 1 and select the files in the following order:

- Firmware
- Certificate
- Private Key

The eS-WiFi demo program will automatically create a new firmware image that you can use to re-flash your evaluation board.

### Update the EVB with the newly created firmware:

Plug your EVB into the PC USB port. (see user manual if you have not already installed the FTDI drivers)

Select Menu—> Firmware —> Update to program the new firmware Image Point to the newly created \*.bin in your firmware folder

Your module is now updated with your firmware that is setup to connect to your

| Ci  | ear Screen<br>opy to Clipt | board |             |                                      |                  |   |      |     | 3   |
|-----|----------------------------|-------|-------------|--------------------------------------|------------------|---|------|-----|-----|
| Ins | stall Drivers              |       |             |                                      |                  |   |      |     |     |
| Fir | mware                      | •     | Ad          | dress                                |                  | • |      |     |     |
| Exi | it                         |       | Co          | nfigure<br>ify                       |                  | • |      |     |     |
|     |                            |       | Up          | date                                 |                  |   |      |     |     |
|     |                            |       | Set<br>Inte | MAC Addre<br>ernal Bootlo<br>stomize | ess<br>ader (ZU) |   |      |     |     |
|     |                            |       |             |                                      |                  |   |      |     |     |
|     |                            |       |             |                                      |                  |   |      |     |     |
|     |                            |       |             |                                      |                  |   |      |     |     |
|     |                            |       |             |                                      |                  |   |      |     |     |
|     |                            |       |             |                                      |                  |   | <br> | SEM | ND. |
|     |                            |       |             |                                      |                  |   |      | SEM | D   |