1 Get AesKey from OneNet

1: $PubKey \leftarrow PublicKey$
2: $PriKey \leftarrow PrivateKey$
3: $HOST \leftarrow "jjfaedp.hedevice.com"$
4: $PORT \leftarrow 876$
5: $DEV - IDT \leftarrow "559451901"$
6: $API - KEY \leftarrow "****************"$
7: $Socket \leftarrow connectOneNet()$
8: $Socket \rightarrow sendToOneNet(PubKey)$
9: $receivedData \leftarrow Socket.receiveFromOneNet()$
10: $AesKey \leftarrow RsaDecrypt(receivedData, PriKey)$
11: $Socket \rightarrow edpConnectOneNet(HOST, PORT, DEV - ID, API - KEY)$
    with AesKey

2 Thread1: Send data to OneNet

1: **while** $AesKey$ exist? **do**
2:      $sensorData \leftarrow getSensorData()$
3:      $Cipher \leftarrow AesEncrypt(sensorData, AesKey)$
4:      $Socket \rightarrow sendToOneNet(Cipher)$
5: **end while**

3 Thread2: Receive command from OneNet

1: **while** $AesKey$ exist? **do**
2:    $receivedAesCipher \leftarrow Socket.receiveFromOneNet()$
3:    $receivePackage \rightarrow AesDecrypt(receivedAesCipher, AesKey)$
4:    $Command \leftarrow getCommand(receivePackage)$
5:    **if** $Command$ is 'on' **then**
6:       $onDevice()$
7:    **end if**
8:    **if** $Command$ is 'off' **then**
9:       $offDevice()$
10:    **end if**
11: **end while**