
1 Get AesKey from OneNet

```
1: PubKey  $\leftarrow$  PublicKey
2: PriKey  $\leftarrow$  PrivateKey
3: HOST  $\leftarrow$  "jjfaedp.hedevise.com"
4: PORT  $\leftarrow$  876
5: PORDEV - IDT  $\leftarrow$  "559451901"
6: AUTH - INFO  $\leftarrow$  "*****"
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, AUTH - INFO) with AesKey
```

2 Thread1: Send command to OneNet

```
1: while AesKey exist? do
2:   if Button is clicked then
3:     cmd  $\rightarrow$  getCommandFormat()
4:     Cipher  $\leftarrow$  AesEncrypt(cmd, AesKey)
5:     Socket  $\rightarrow$  sendToOneNet(Cipher)
6:   end if
7: end while
```

3 Thread2: Receive data from OneNet

```
1: while AesKey exist? do
2:   receivedAesCipher  $\leftarrow$  Socket.receiveFromOneNet()
3:   receivePackage  $\rightarrow$  AesDecrypt(receivedAesCipher, AesKey)
4:   sensorsData  $\leftarrow$  getSensorData(receivePackage)
5:   sensorsData  $\rightarrow$  showOnApp()
6: end while
```
