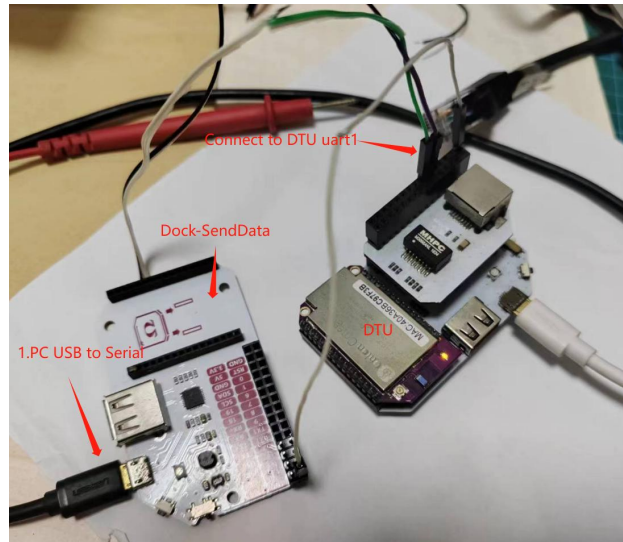
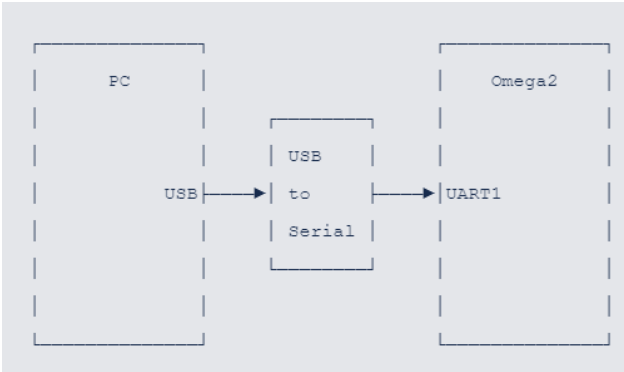


1. Build testing environment

Here i used two expansion dock (USB to Serial) to build the testing environment.

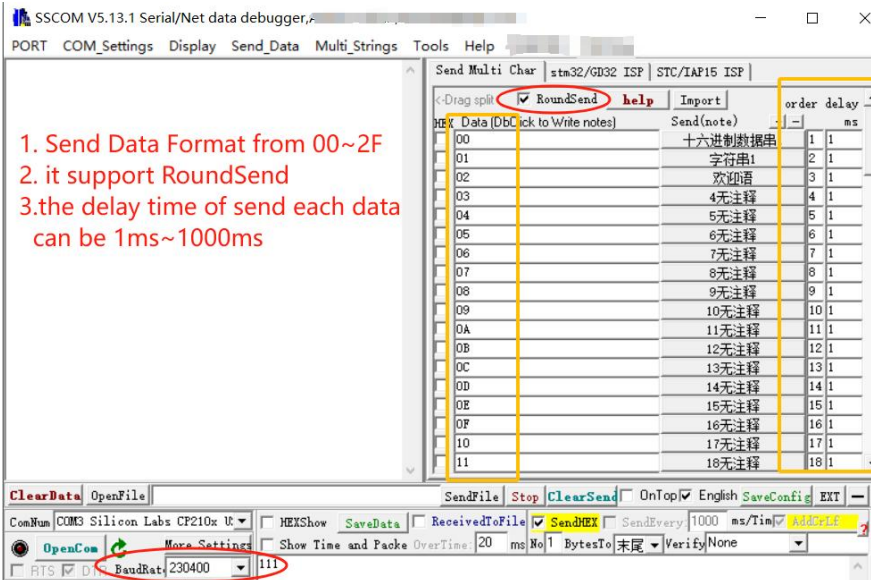
Dock-SendData: Send data to DTU(Omega2).

DTU :receive data from Dock-SendData.



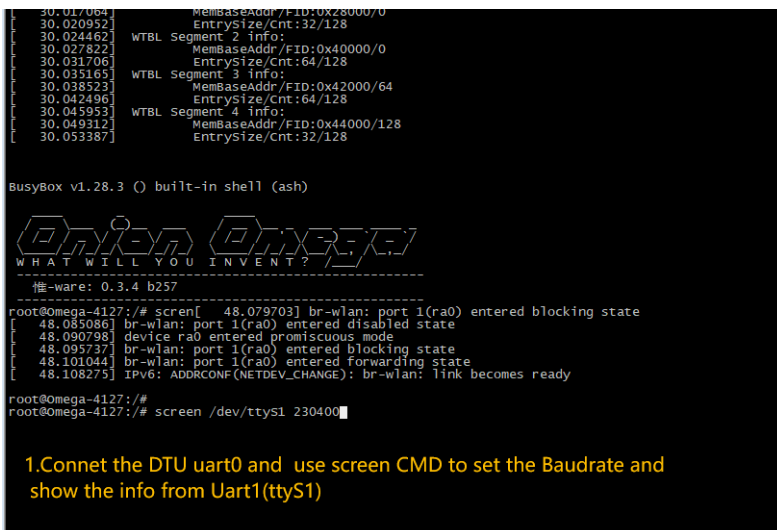
2. PC Tool.

1)Dock-SendData , SSCOM TOOL: We use a seiral Tool to setup the datainfo . data format is from 00~2F, and the tool can support round send, and we can set the delay time between each data(1~1000ms).

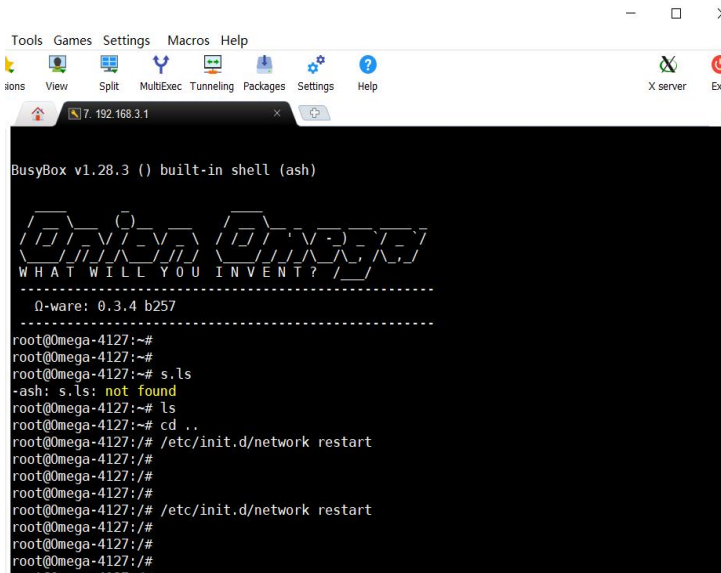


2) Use a seiral Tool to show the received data from uart1.

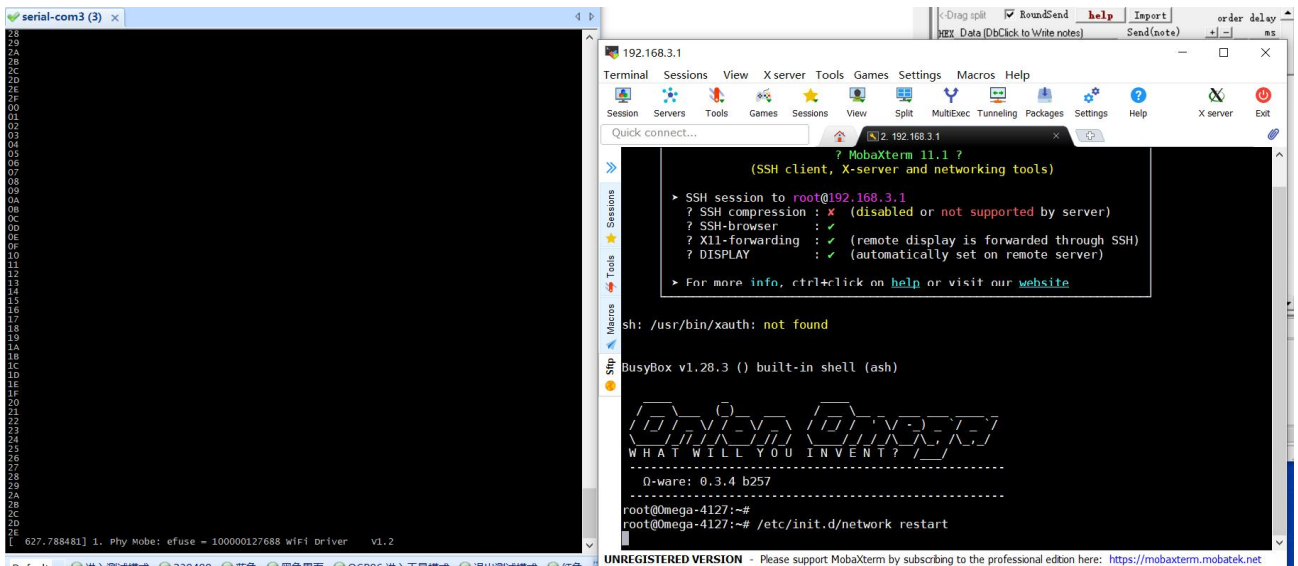
Connect the DTU uart0 by its Dock, and use screen CMD to set the Baudrate and show datainfo from Uart1.



3) Connect the SSH of DTU , use SSH to set the network.



4) Testing .



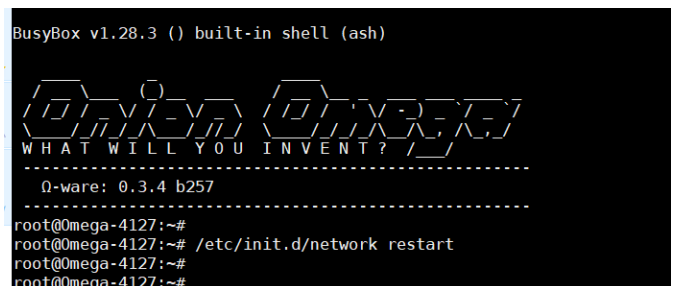
Test sample 1: use ssh to restart the network.

Uart1: baudrate 230400, FW:B257,Delay time: 1ms.

Test result: OK

00	1F
01	20
02	21
03	22
04	23
05	24
06	25
07	26
08	27
09	28
0A	29
0B	2A
0C	2B
0D	2C
0E	2D
0F	2E
10	2F
11	00
12	01
13	02
14	03
15	04
16	05
17	06
18	07
19	08
1A	09
1B	0A
1C	0B
1D	0C
1E	0D
1F	0E

after restart the network



Test sample 2: Disconnect Ethernet during sending data to uart1.

Uart1: baudrate 230400, FW:B257,Delay time: 1ms. **Test result: OK**

00	[1790.284886] rt3050-esw 10110000.esw: link changed 0x01	25	[1812.286162] rt3050-esw 10110000.esw: link changed 0x00	15
01	[1792.785384] da match,0x881e59014127	26		16
02		27		17
03		28		[1812.822410] da match,0x8
04		29		18
05		2A		19
06		2B		1A
07		2C		1B
08		2D		1C
09		2E		1D
0A		2F		1E
0B		00		1F
0C		01		20
0D		02		21
0E		03		22
0F		04		23
10		05		24
11		06		25
12		07		26
13		08		27
14		09		28
15		0A		29
16		0B		2A
		0C		2B
		0D		2C
		0E		2D
		0F		2E
		10		2F
		11		00
		12		01
		13		02
		14		03
				04
				--

Connect the ethernet

disconnect the ethernet