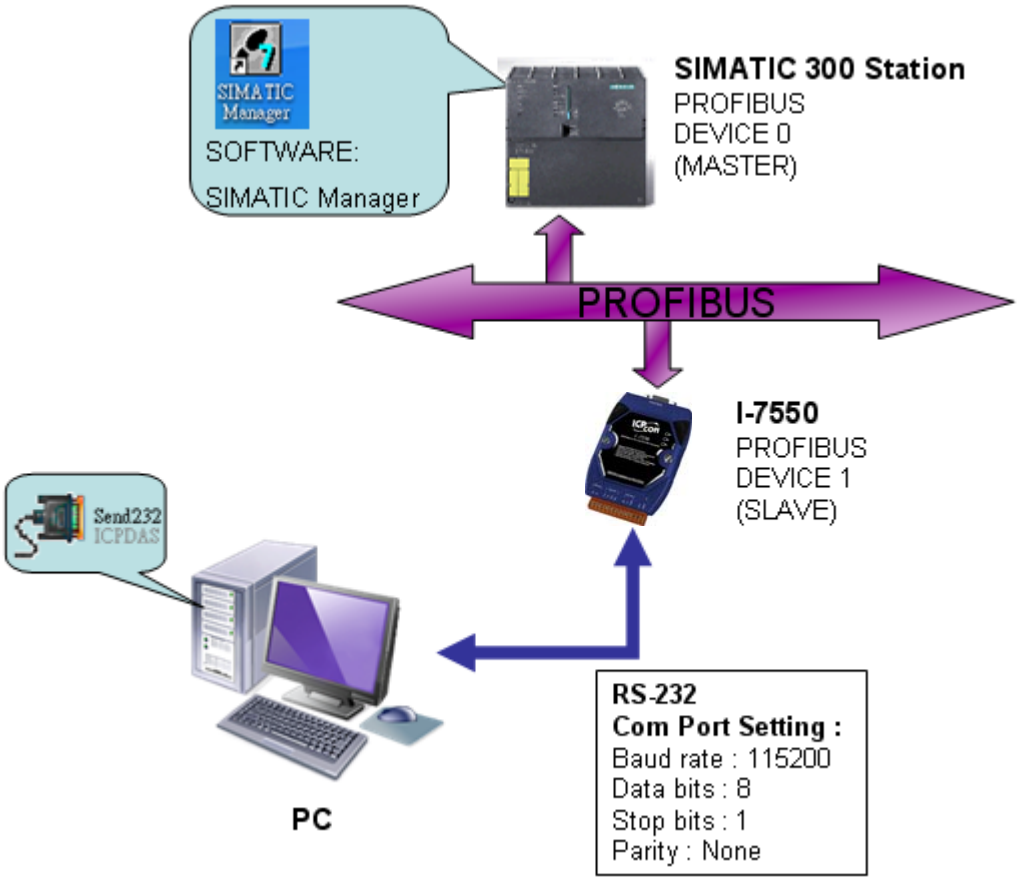
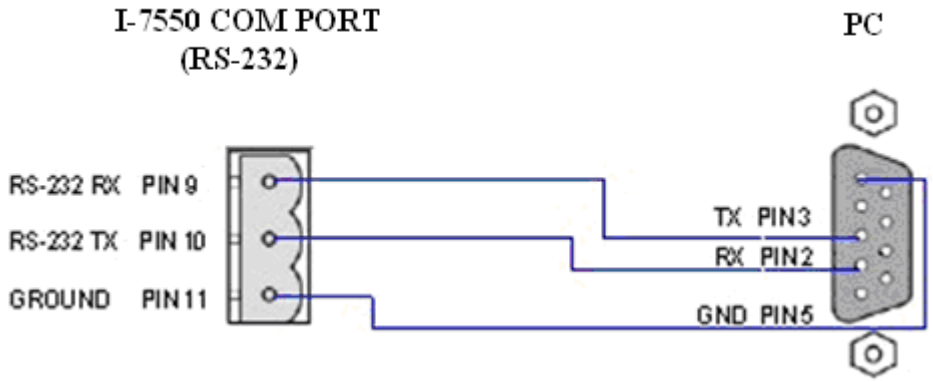
# Question: How to send and receive data at SIMATIC STEP 7

1. Hardware configuration



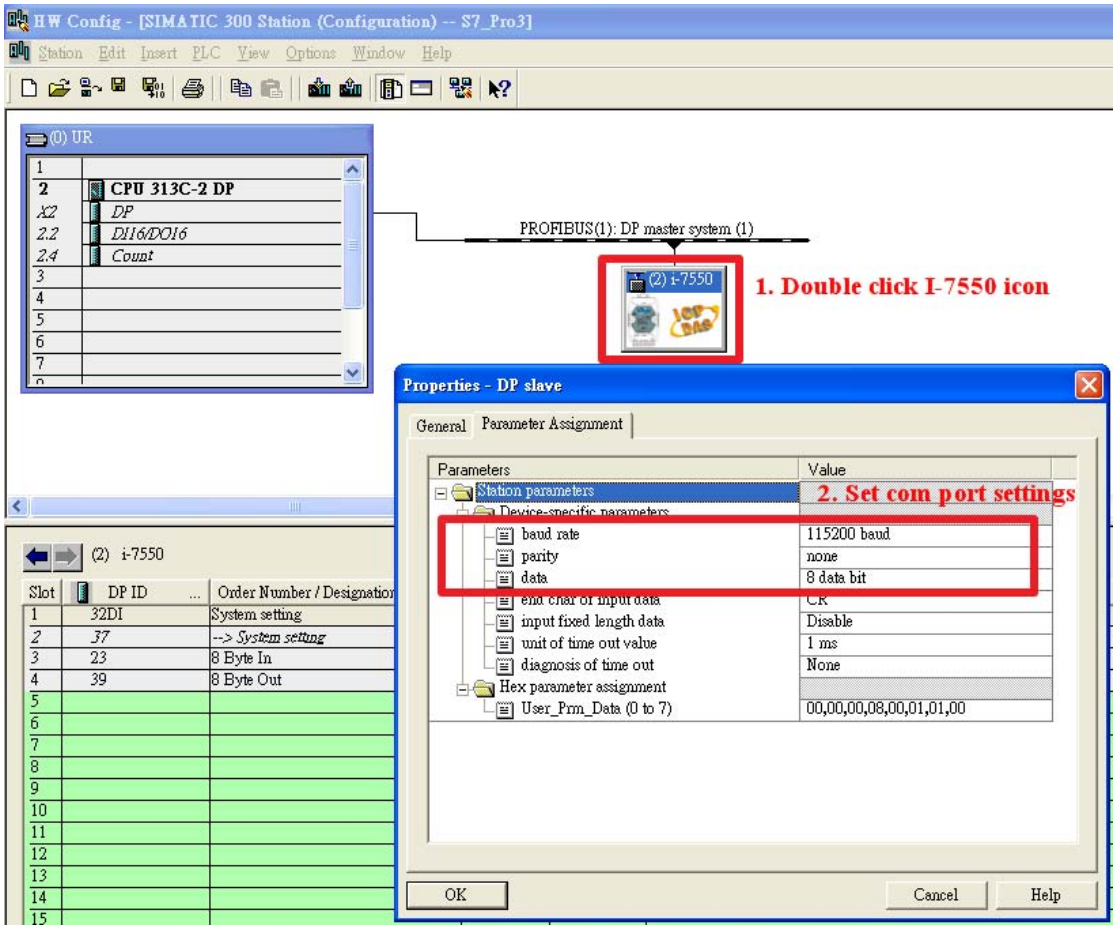

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2. Please check the below before send and receive data

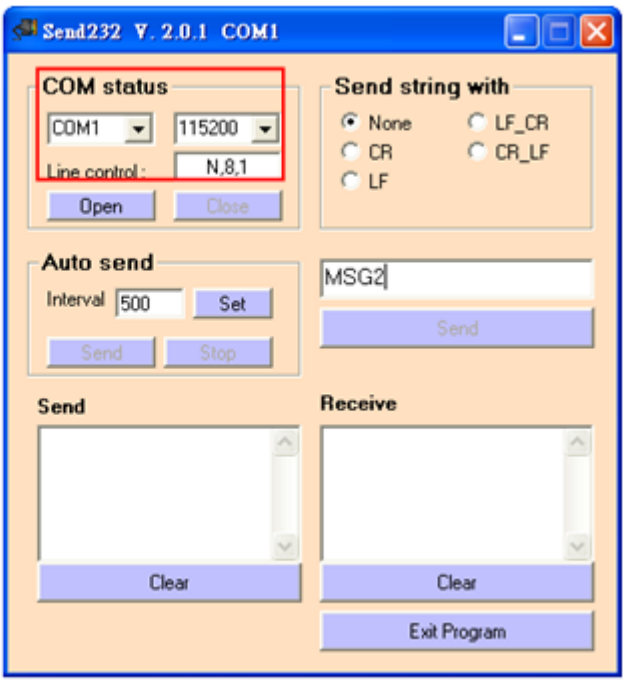
**(1)** RUN LED must be on. It means the I-7550 is ready to send and receive data.




**(2)** Confirm the I-7550's Com Port settings is the same with RS-232 tool (ex: Send232, the user can download Send232 from http://ftp.icpdas.com/pub/cd/8000cd/napdos/7188e/tcp/pcdiag/source/send232.vb6_2.0.1)
Com Port Settings: baud rate-115200, data bits-8, stop bits-1, parity-none



1. Set com port settings



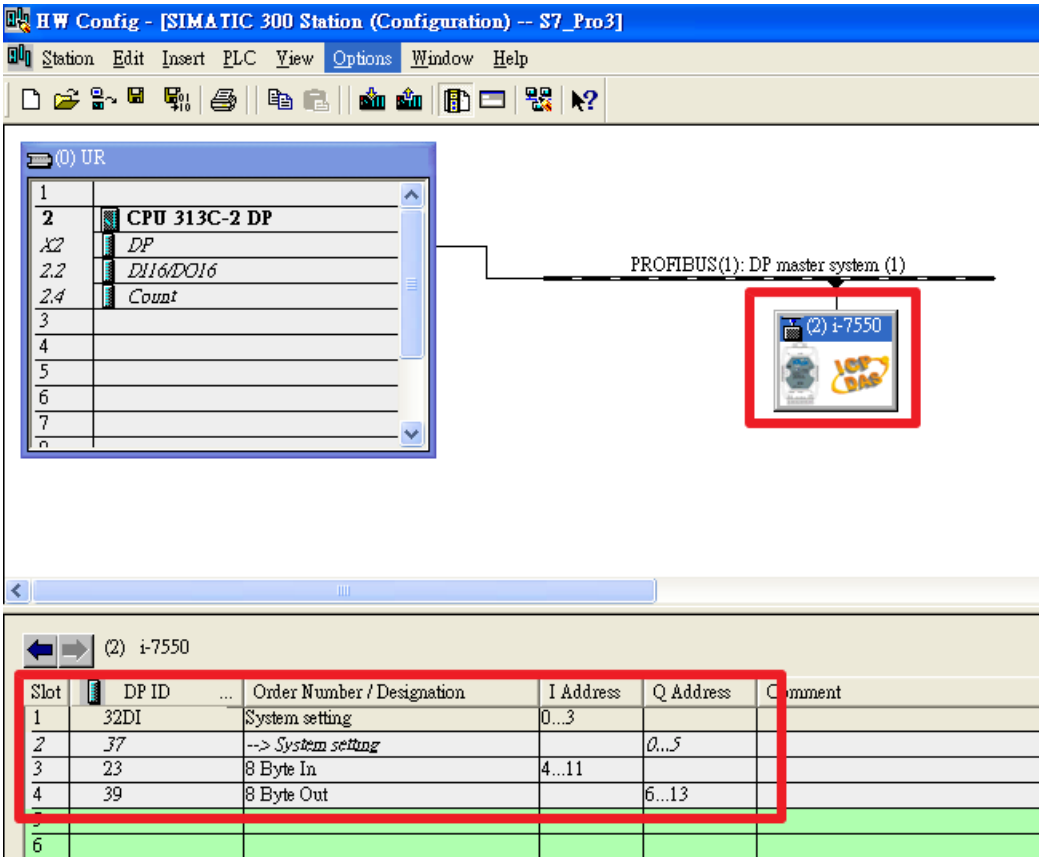

## 3. SIMATIC STEP 7 Edit

**(1)** HW Config – configure I-7550

ex: System setting module x1

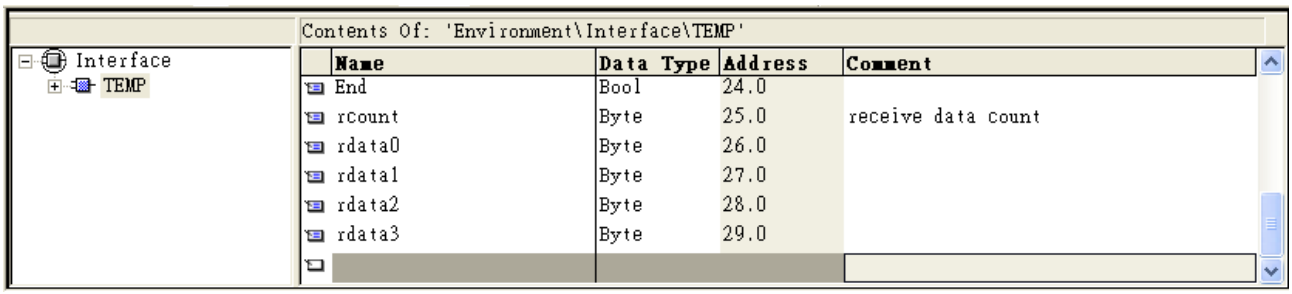
8 Byte In module x1

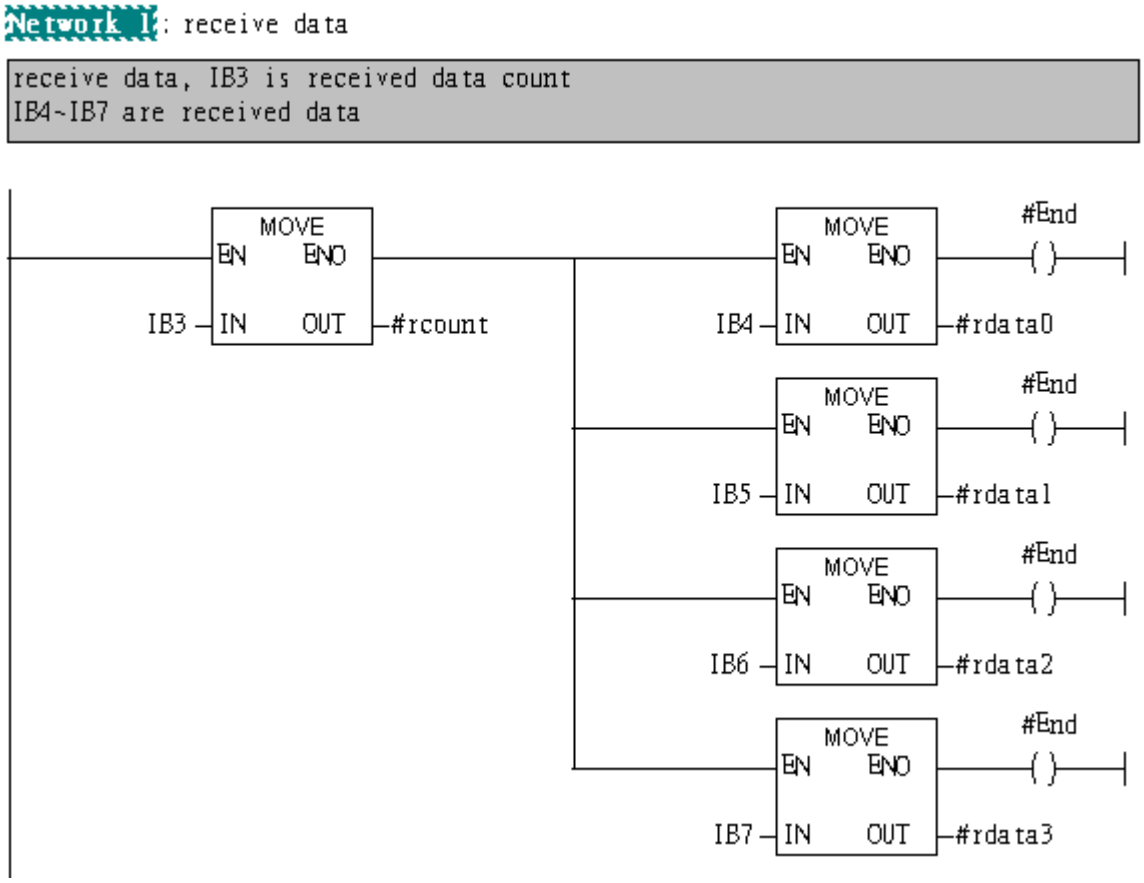
8 Byte Out module x1



## (2) S7 program edit

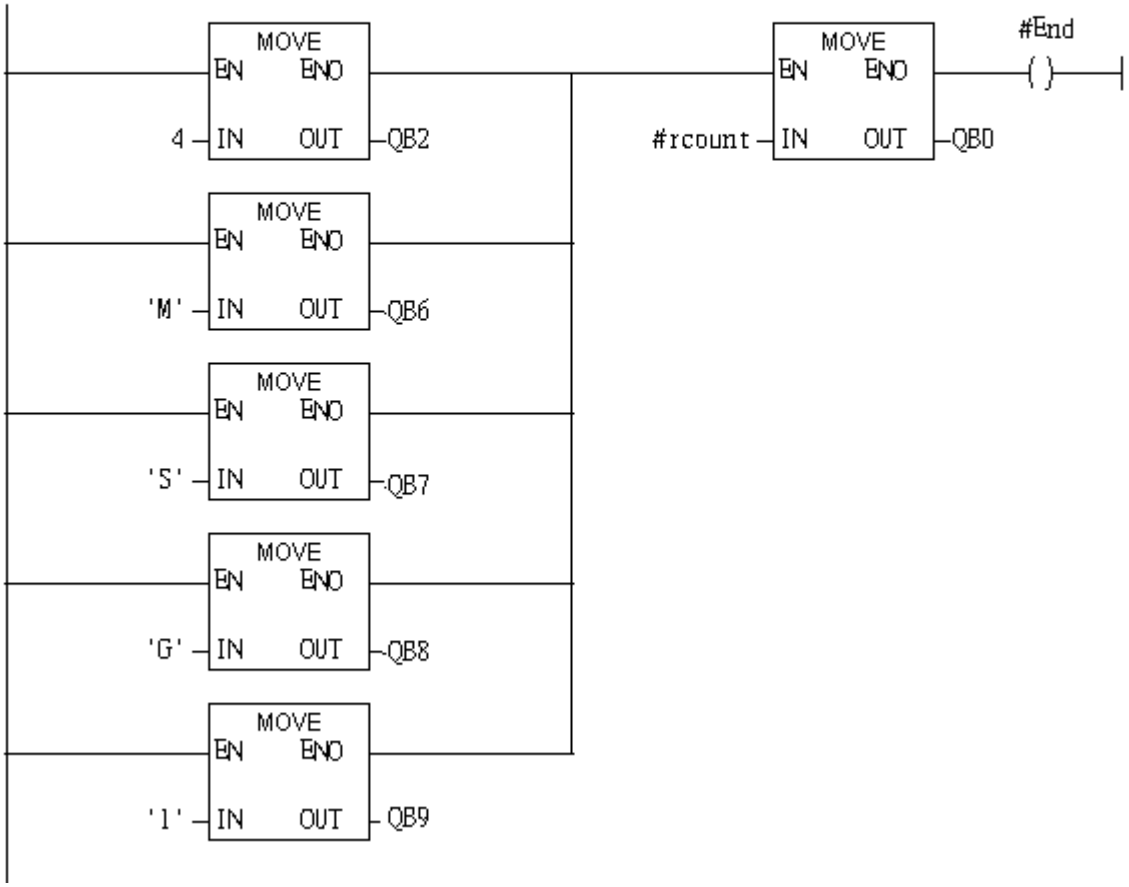
Variables used in the example LD Program:



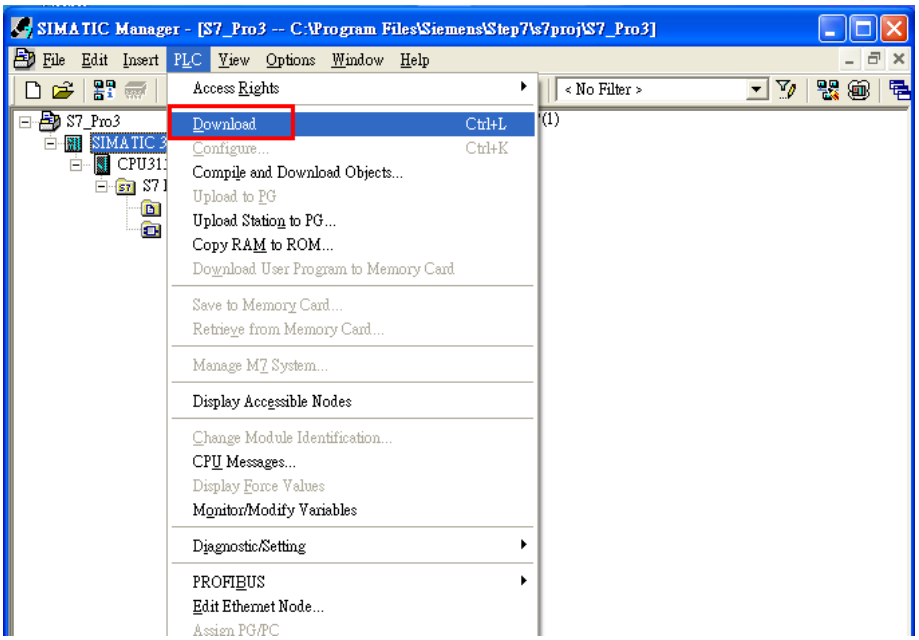



**Network 2** : Send data

```
Send data, QB2 is data length, QB0 is data output command
QB6~QB9 are outputed data
```



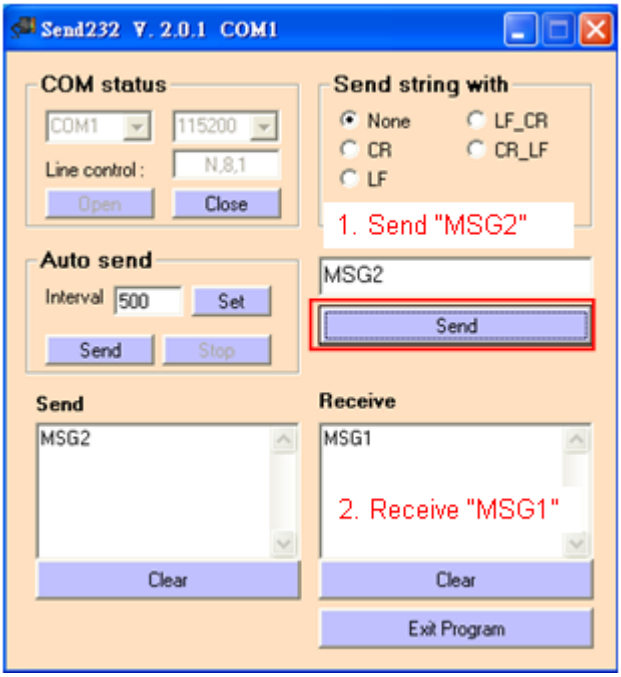

## (3) S7 program download




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## 4. Communication test

**(1)** Click “Send” button to send “MSG2” to PLC and PLC will Send “MSG1” to PC




**(2)** PLC receives the “MSG2” message

rdata0=’M’, rdata1=’S’, rdata2=’G’, rdata3=’2’

