WiFi Infrastructure

(WizFi 210 Application Notes)

1. Diagram
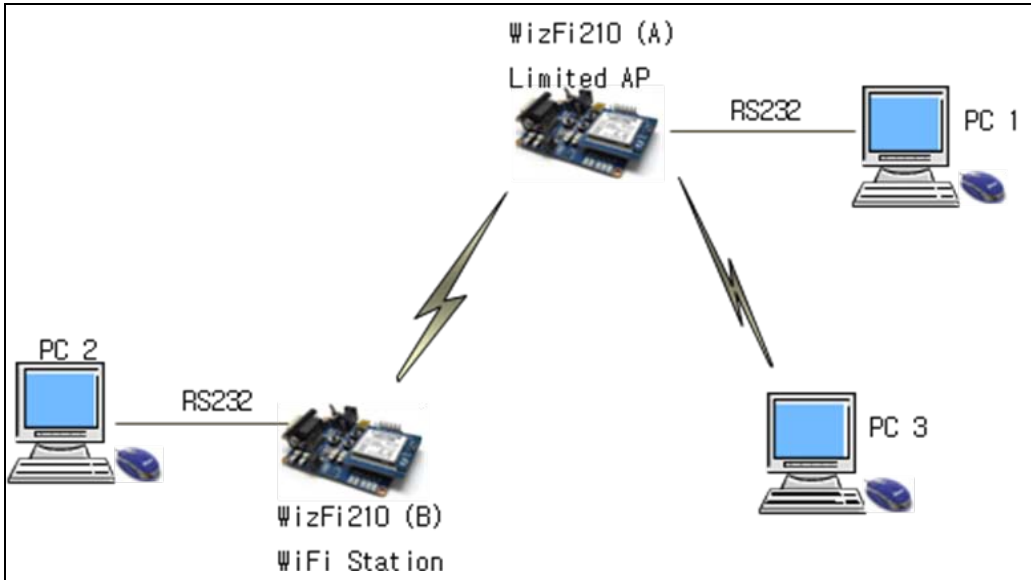
2. Limited AP(A) Configuration
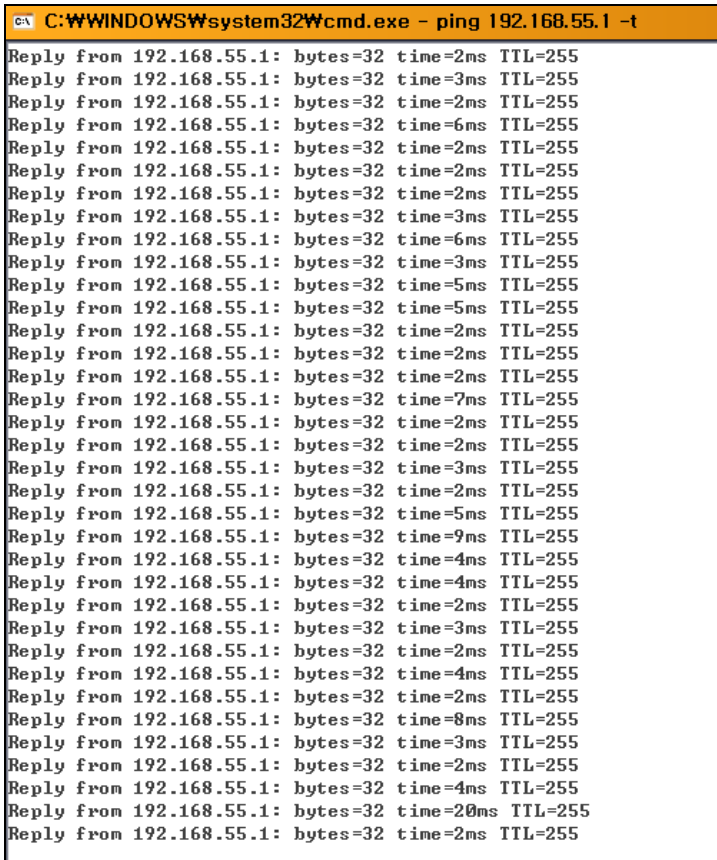
```
AT+WD
[OK]
AT+WM=2
[OK]
AT+WAUTH=0
[OK]
AT+NDHCP=0
[OK]
AT+NSET=192.168.55.1,255.255.255.0,192.168.55.1
[OK]
AT+WA=LimitedAP,,8,
     IP              SubNet            Gateway
 192.168.55.1: 255.255.255.0: 192.168.55.1
[OK]
AT+NAUTO=1,1,,5000
[OK]
AT+DHCPSRVR=1
[OK]
ATA2
[OK]
```

3. WiFi Station(B) Configuration

```
AT+WD
[OK]
AT+WM=0
[OK]
AT+NDHCP=0
[OK]
AT+NSET=192.168.55.101,255.255.255.0,192.168.55.1
[OK]
AT+WA=LimitedAP
     IP              SubNet          Gateway
 192.168.55.101: 255.255.255.0: 192.168.55.1
[OK]
AT+NAUTO=0,1,192.168.55.1,5000
[OK]
ATA2
[OK]
```

Now, <PC1> can communicate to <PC2> with a pair of WizFi210.

And <PC3> also can associate to the <Limited AP(A)>. The below picture shows result of ping

test from <PC3> to <Limited AP(A)>.

```
C:\WINDOWS\system32\cmd.exe - ping 192.168.55.1 -t
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=3ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=6ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=3ms TTL=255
Reply from 192.168.55.1: bytes=32 time=6ms TTL=255
Reply from 192.168.55.1: bytes=32 time=3ms TTL=255
Reply from 192.168.55.1: bytes=32 time=5ms TTL=255
Reply from 192.168.55.1: bytes=32 time=5ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=7ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=3ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=5ms TTL=255
Reply from 192.168.55.1: bytes=32 time=9ms TTL=255
Reply from 192.168.55.1: bytes=32 time=4ms TTL=255
Reply from 192.168.55.1: bytes=32 time=4ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=3ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=4ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=8ms TTL=255
Reply from 192.168.55.1: bytes=32 time=3ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
Reply from 192.168.55.1: bytes=32 time=4ms TTL=255
Reply from 192.168.55.1: bytes=32 time=20ms TTL=255
Reply from 192.168.55.1: bytes=32 time=2ms TTL=255
```