

WiFi Infrastructure

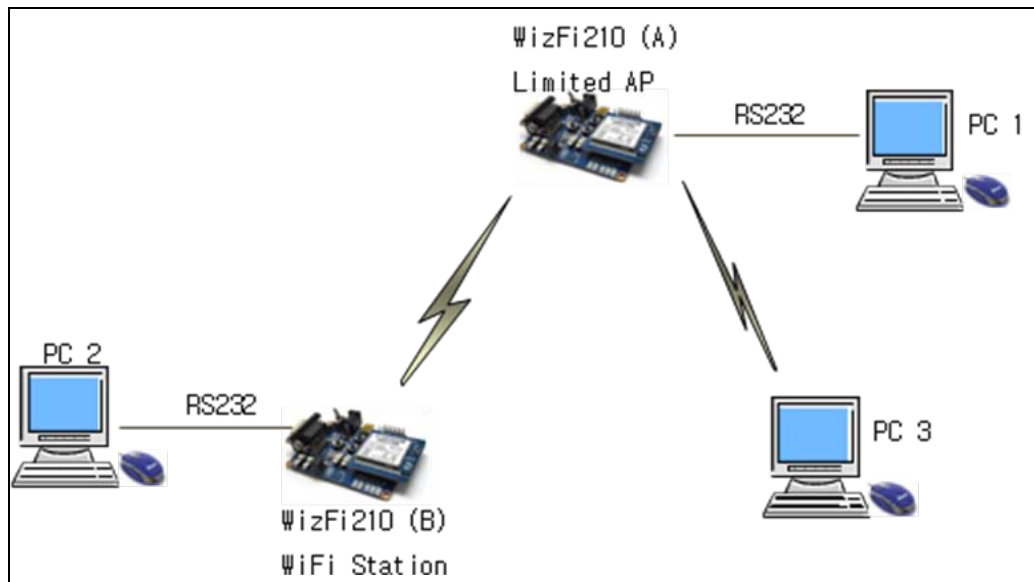
(WizFi 210 Application Notes)



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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+DHCPSPVR=1
[OK]
ATA2
[OK]
```

3. WiFi Station(B) Configuration

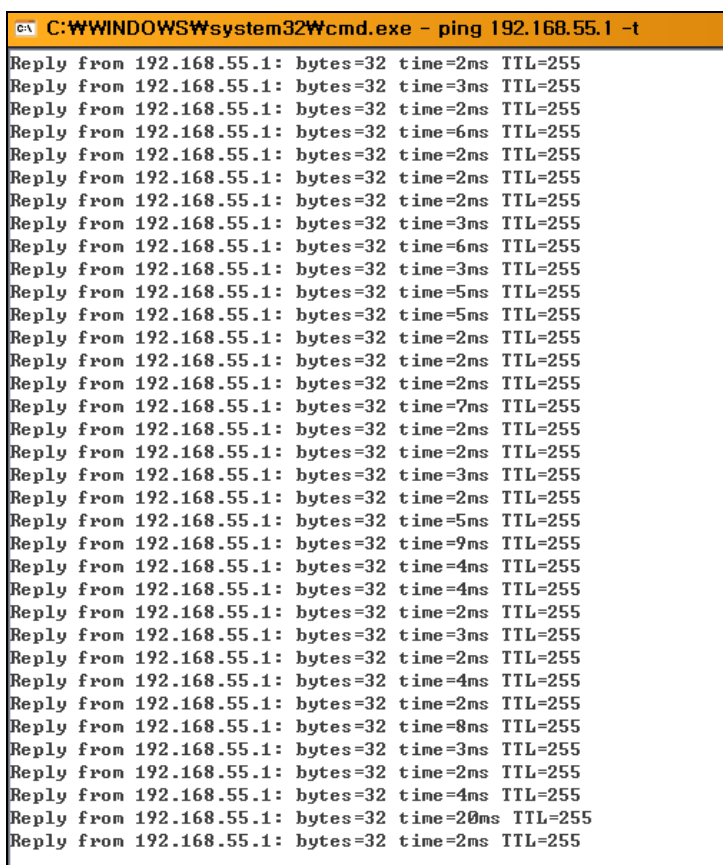
```

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=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

```

But, note that the WiFi station can't communicate with other WiFi station in the <Limited AP>.

(Ex : PC3 and WizFi210(B))