

# Multi Connections

(WizFi 210 Application Notes)



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## 1. AP Association

Associate with AP.

```
AT+WD
[OK]
AT+NDHCP=0
[OK]
AT+NSET=192.168.3.213,255.255.255.0,192.168.3.1
[OK]
AT+WPA=12345678
[OK]
AT+WA=Wi-Fi-DemoAP
      IP          SubNet      Gateway
192.168.3.213: 255.255.255.0: 192.168.3.1
[OK]
```

## 2. TCP Client multi-connections

Start TCP Client connections with the [AT+NCTCP] command.

<CID 0> socket receive the <AAAA>.

<CID 1> socket receive the <BBBB>.

<CID 2> socket receive the <CCCC>.

<CID 3> socket receive the <DDDD>.

```
AT+NCTCP=192.168.3.102,4000
[OK]
AT+NCTCP=192.168.3.102,4001
[OK]
AT+NCTCP=192.168.3.102,4002
[OK]
AT+NCTCP=192.168.3.102,4003
[OK]
0AAAAA1BBBBB2CCCC3DDDD■
```

### 3. TCP Server multi-connections

Start TCP Server connections with the [AT+NSTCP] command.

<CID 6> socket receive the <SSSSS>.

<CID 7> socket receive the <TTTTT>.

```
AT+NSTCP=5001
[OK]
AT+NSTCP=5002
[OK]

[CONNECT 4 6 192.168.3.102 1744]

[CONNECT 5 7 192.168.3.102 1751]
6SSSSS7TTTT
```

### 4. TCP Server multi-connections

You can see the CID list with [AT+CID=?] command.

```
AT+CID=?
CID      TYPE    MODE    LOCAL PORT    REMOTE PORT    REMOTE IP
0        TCP     CLIENT  62614         4000           192.168. 3.102
1        TCP     CLIENT  52471         4001           192.168. 3.102
2        TCP     CLIENT  36532         4002           192.168. 3.102
3        TCP     CLIENT  51667         4003           192.168. 3.102
4        TCP     SERVER  5001          0              0. 0. 0. 0
5        TCP     SERVER  5002          0              0. 0. 0. 0
6        TCP     CLIENT  5001          1744           192.168. 3.102
7        TCP     CLIENT  5002          1751           192.168. 3.102

[OK]
```

### 5. Send data in multi-connections

Refer to the AP Note [Data handling using Esc Sequences].