

How to Operate Web Server

(WizFi 210 Application Notes)



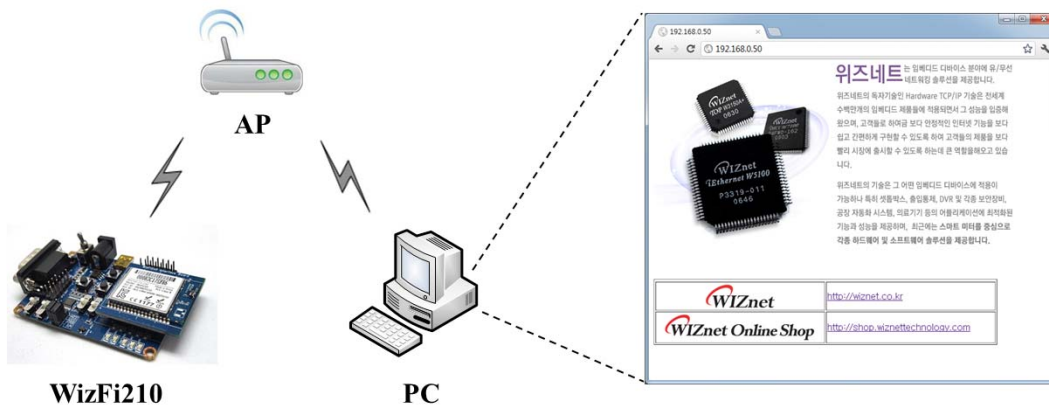
©2012 WIZnet Co., Ltd. All Rights Reserved.

☞ For more information, visit our website at <http://www.wiznet.co.kr>

1. Configuring the Environment for Web Server Test

In the case of Web Server using WizFi210, You must constitute environment as bellows

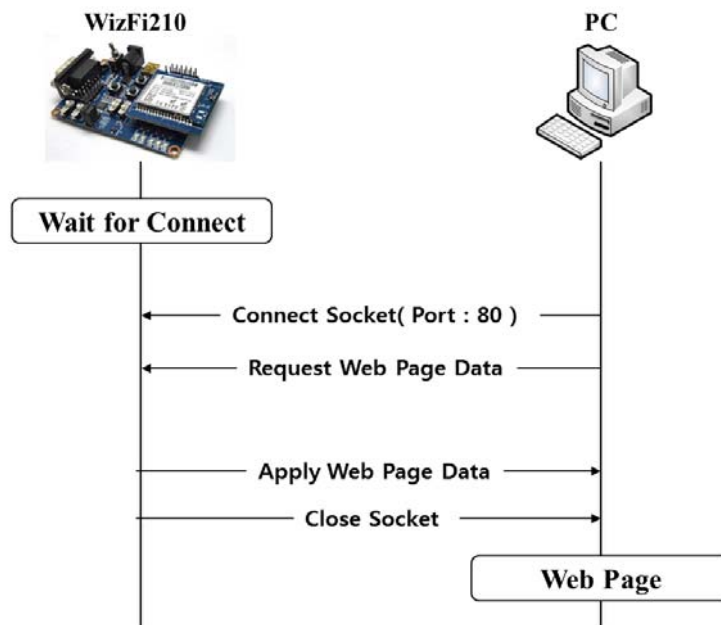
1. Associate WizFi210 with AP
2. Associate PC with AP
3. View Web Page on PC



2. HTTP Protocol for Web Server Test

In case of Web Server, You can test web server protocol as below.

1. WizFi210 is waiting for TCP connection of PC.
2. PC will send TCP connection packet and request web page data.
3. WizFi210 will apply web page data and close TCP connection.
4. You will view web page on PC



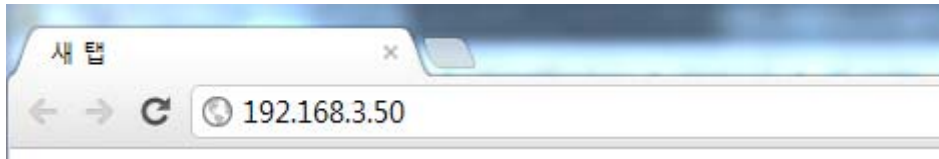
3. Example of Web Server

1. Associate with AP and run TCP server(port:80) as below

```
AT+WD  
[OK]  
  
AT+WM=0  
[OK]  
  
AT+WWPA=12345678  
[OK]  
  
AT+NDHCP=0  
[OK]  
  
AT+NSET=192.168.3.50,255.255.255.0,192.168.3.1  
[OK]  
  
AT+WA=WizFiDemoAP  
  IP      SubNet  Gateway  
192.168.3.50: 255.255.255.0: 192.168.3.1  
[OK]  
  
AT+NSTCP=80  
[OK]
```

2. Waiting for Connection.

3. Input IP address to web browser on your PC. (Web Server IP : 192.168.3.50)



4. You will show serial message in WizFi21 as below

```
[CONNECT 0 1 192.168.3.114 3609]
.S1GET / HTTP/1.1
Host: 192.168.3.50
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.56 Safari/536.5
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip,deflate,sdch
Accept-Language: ko-KR;q=0.8,en-US;q=0.6,en;q=0.4
Accept-Charset: windows-949,utf-8;q=0.7,*;q=0.3
```

5. Send data to PC by using the <ESC>S sequence and the CID number.

Enter the [ESC] key
Enter the [S] key
Enter the [CID number] (Maybe CID number is 1)

Send HTML data to PC.

```
<HTML>
<TABLE width="600" style="table-layout:fixed" border=1>
<TR></TD></TR>
<TR></TR>
<TR><TD height = "50" width="100" align=center valign=middle></TD>
<TD><a href="http://wiznet.co.kr">http://wiznet.co.kr</a></TD></TR>
<TR>
<TD height = "50" width="100" align=center valign=middle></TD>
<TD><a href="http://shop.wiznettechnology.com">http://shop.wiznettechnology.com</a></TD></TR>
</TABLE>
</HTML>
```

Indicate end of transmission by using the <ESC>E sequence:

Enter the [ESC] key
Enter the [E] key

Close TCP connection with PC.

AT+NCLOSE=1
[OK]

6. You should now see the web page on your pc.



192.168.3.50

← → ↻ 192.168.3.50

위즈네트는 임베디드 디바이스 분야에 유/무선 네트워킹 솔루션을 제공합니다.

위즈네트의 독자기술인 Hardware TCP/IP 기술은 전세계 수백만개의 임베디드 제품들에 적용되면서 그 성능을 입증해 왔으며, 고객들로 하여금 보다 안정적인 인터넷 기능을 보다 쉽고 간편하게 구현할 수 있도록 하여 고객들의 제품을 보다 빨리 시장에 출시할 수 있도록 하는데 큰 역할을해오고 있습니다.

위즈네트의 기술은 그 어떤 임베디드 디바이스에 적용이 가능하나 특히 셋톱박스, 출입통제, DVR 및 각종 보안장비, 공장 자동화 시스템, 의료기기 등의 어플리케이션에 최적화된 기능과 성능을 제공하며, 최근에는 스마트 미터를 중심으로 각종 하드웨어 및 소프트웨어 솔루션을 제공합니다.

	http://wiznet.co.kr
	http://shop.wiznettechnology.com