

***ZyXEL***

**Firmware Release Note**

**NWA1300-NJ**

**Release V1.00 (UJF.3)C0**

**Date: 2012.03.30**

**Author:**

**ZyXEL NWA1300-NJ Standard Version  
Release V1.00 (UJF.3)C0  
Release Note**

**Date: 2012.03.30**

**Supported Platforms:**

NWA1300-NJ

**Versions:**

Firmware: V1.00 (UJF.3) C0

**Modification V1.00 (UJF.3 )C0/ March 30, 2012**

Update version number from v1.00(UJF.3)b2 to v1.00(UJF.3).

**Modification V1.00 (UJF.3)b2/ March 29, 2012**

**1. [Bug Fixed]**

**Symptom :** Fix a bug that the wireless station cannot get DHCP IP when the Management VLAN ID enable.

**Modification V1.00 (UJF.3)b1/ March 20, 2012**

**2. [New features]**

**Symptom :** Hidden SSID

**Add OIDs support**

wlanMESSID1HiddenSSID 1.3.6.1.4.1.890.1.15.4.2.1.5.1.20

wlanMESSID2HiddenSSID 1.3.6.1.4.1.890.1.15.4.2.1.5.2.20

wlanMESSID3HiddenSSID 1.3.6.1.4.1.890.1.15.4.2.1.5.3.20

wlanMESSID4HiddenSSID 1.3.6.1.4.1.890.1.15.4.2.1.5.4.20

**3. [New features]**

**Symptom :** Intra BSS Blocking ◦

When enable, prevent communication between wireless stations associated to the same AP, but at the meanwhile, the communication between wireless stations associated to the different SSIDs in the same AP is allowed.

**Add OIDs support**

wlanMESSID1IntraBSSBlock 1.3.6.1.4.1.890.1.15.4.2.1.5.1.21

wlanMESSID2IntraBSSBlock 1.3.6.1.4.1.890.1.15.4.2.1.5.2.21

wlanMESSID3IntraBSSBlock 1.3.6.1.4.1.890.1.15.4.2.1.5.3.21

wlanMESSID4IntraBSSBlock 1.3.6.1.4.1.890.1.15.4.2.1.5.4.21

**4. [New features]**

**Symptom :** Management VLAN ◦

When enable, only the PC, from the Upper Link side, with the VLAN Tag with the same Management VLAN ID can access the device, for example accessing the Admin UI.

**Add OIDs support**

sysMgmtVLANControl 1.3.6.1.4.1.890.1.15.3.2.13

sysMgmtVLANID 1.3.6.1.4.1.890.1.15.3.2.14

## **5. [New features]**

**Symptom :** ENC Auto Discovery

When Link is "Static IP", the ENC IP is defined by the following rules,  
rule 1) the ENC IP Setting in UI path (Administration > SNMP > ENC IP) if it is defined.

rule 2) If the rule 1 is not satisfied, the ENC IP is defaultly "ANY".

When Link is "DHCP", the ENC IP is defined by the following rules,

rule 1) the ENC IP Setting in UI path (Administration > SNMP > ENC IP) if it is defined.

rule 2) If the rule 1 is not satisfied, the DHCP option 224 will be taken into consideration if it was defined.

rule 3) If both above rules are not satisfied, the ENC IP is defaultly "ANY".

No matter the Link is "Static IP" or "DHCP", it is allowed to change the ENC IP by the SNMP OID

**Add OIDs support**

ENCsSrvIPAddr (1.3.6.1.4.1.890.1.15.3.7.1).

## **6. [New features]**

**Symptom :** Upgrade Wireless Firmware version from 2.2.0.0 to 2.5.0.0.

## **7. [Bug Fixed]**

**Symptom :** Cannot write the OID sysMgmtRestoreDefaultConfig

1.3.6.1.4.1.890.1.15.3.2.3.

## **8. [Bug Fixed]**

**Symptom :** Change sysCountryCode OID from 1.3.6.1.4.1.890.1.15.3.1.13.0 to

1.3.6.1.4.1.890.1.15.3.1.16.0.

## **Application Note,**

1) The Management VLAN ID will also be taken as the default Native VLAN ID.

2) Even through the Management VLAN Function enable, when enable "Use WPA with RADIUS Server", the associated wireless station is allowed to reach the device.

3) The Management VLAN ID cannot be the same with the other VLAN IDs.

## **Modification V1.00 (UJF.2 )C0/ Nov 07,, 2011**

Update version number from v1.00(UJF.2)b2 to v1.00(UJF.2).

## **Modification V1.00 (UJF.2)b6/ Nov 06, 2011**

### **1. [Modification]**

**Symptom :** In ZYXEL-ES-Outsourcing.MIB, update default value from 100 to 200 in wlanBeaconInterval. Remove device\_is\_disable(0) in wlanChannel.

### **2. [Bug Fixed]**

**Symptom :** preamble type not correct issue

### **3. [Bug Fixed]**

**Symptom :** ChannelWidth20MHZ - snmp walk result shows "0".

### **4. [Modification]**

**Symptom :** beacon interval snmp attribute default 200 issue

### **5. [Modification]**

**Symptom :** wlanMESSID2VLANID.0 the value issue.

**6. [Modification]**

**Symptom :** WMM UI configuration and snmp set function is not consistent.

**Modification V1.00 (UJF.2)b5/** Oct 31, 2011

**1. [Modification]**

**Symptom :** Update Led default setting from On to Off.

**Modification V1.00 (UJF.2)b4/** Oct 30, 2011

**7. [Bug Fixed]**

**Symptom :** FTP Firmware Upgrade function cannot work.

**8. [Bug Fixed]**

**Symptom :** Query the OID sysMgmtFlashUsage (1.3.6.1.4.1.890.1.15.3.2.6.0) for a long time, cause SNMP no response.

**Modification V1.00 (UJF.2)3/** Oct 28, 2011

**1. [Bug Fixed]**

**Symptom :** VLAN Control setting is inconsistent in Web UI and SNMP.

**Modification V1.00 (UJF.2 )b2/** Oct 27, 2011

**1. [Bug Fixed]**

**Symptom :** Wireless Channel Range inconsistent with Web UI and SNMP.

**2. [Bug Fixed]**

**Symptom :** Cannot set VLAN ID of ESSID 2,3,4.

**3. [Bug Fixed]**

**Symptom :** the result of SNMP Get OIDs of

- dot11TransmittedCount(1.3.6.1.4.1.890.1.15.4.2.1.3.1.0) and
- dot11ReceivedCount(1.3.6.1.4.1.890.1.15.4.2.1.3.2.0)

**Modification V1.00 (UJF.2 )b1/** Oct 25, 2011

**1. [Feature]**

**Symptom :** Support OIDs for

1.1) VLAN Control

1.2) Ethernet VLAN ID and 4 ESSID VLAN IDs

Default Ether VLAN ID = 1

Default ESSID1 VLAN ID = 1

Default ESSID2 VLAN ID = 1

Default ESSID3 VLAN ID = 1

Default ESSID4 VLAN ID = 1

1.3) 4 ESSIDs setting

1.4) LED Control

SNMP Set Procedure:

1)

For the SNMP Set function, please remember to set  
sysMgmtConfigSave(1.3.6.1.4.1.890.1.15.3.2.2.0)=1 at final.

When receiving the OID sysMgmtConfigSave, the system will store the modified setting and re-init the related function to take effect.

1.1) If there is no the OID sysMgmtConfigSave, the SNMP Get function will return the old setting.

2)

The store and reinitiating step will take a little time to finish, so remember to query the same OID sysMgmtConfigSave to check the status of the store and reinitiating step.

When the result is 1, it means the step is still running.

When the result is 0, it means the step finished.

2.1) when store and reinitiating step is running, any SNMP Set and Get function will not guarantee the result.

For example,

NWA1300-NJ Device IP: 192.168.1.1

1) VLAN Control

```
snmpset -v 1 -c public 192.168.1.1 \  
1.3.6.1.4.1.890.1.15.3.2.13.0 i 1 \  
\   
1.3.6.1.4.1.890.1.15.3.2.2.0 i 1
```

2) Ether VLAN ID

```
snmpset -v 1 -c public 192.168.1.1 \  
1.3.6.1.4.1.890.1.15.3.2.13.0 i 1 \  
1.3.6.1.4.1.890.1.15.3.2.14.0 i 4095 \  
\   
1.3.6.1.4.1.890.1.15.3.2.2.0 i 1
```

3) Ether VLAN ID and 4 Wireless VLAN ID

```
snmpset -v 1 -c public 192.168.1.1 \  
1.3.6.1.4.1.890.1.15.3.2.13.0 i 1 \  
1.3.6.1.4.1.890.1.15.3.2.14.0 i 4000 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.1.3.0 i 1111 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.2.3.0 i 2222 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.3.3.0 i 3333 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.3.0 i 1234 \  
\   
1.3.6.1.4.1.890.1.15.3.2.2.0 i 1
```

4) Wireless - ESSID2 Setting

```
snmpset -v 1 -c public 192.168.1.1 \  
1.3.6.1.4.1.890.1.15.3.2.13.0 i 1 \  
1.3.6.1.4.1.890.1.15.3.2.14.0 i 4000 \  
\   
1.3.6.1.4.1.890.1.15.4.2.1.5.2.1.0 i 1 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.2.2.0 s '01234567890123456789012345678912' \  
1.3.6.1.4.1.890.1.15.4.2.1.5.2.3.0 i 1111 \  
\
```

```
1.3.6.1.4.1.890.1.15.4.2.1.5.2.4.0 i 1 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.5.0 i 2 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.6.0 i 85399 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.7.0 i 2 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.8.0 s
'01234567890123456789012345678901234567890123456789012' \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.9.0 s '1.2.3.4' \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.10.0 i 65535 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.11.0 s
'01234567890123456789012345678901234567890123456789012' \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.12.0 i 2 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.13.0 i 2 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.14.0 i 3 \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.15.0 x "30313233343536373839303132" \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.16.0 x "30313233343536373839303133" \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.17.0 x "30313233343536373839303134" \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.18.0 x "30313233343536373839303135" \
1.3.6.1.4.1.890.1.15.4.2.1.5.2.19.0 i 1 \
\
1.3.6.1.4.1.890.1.15.3.2.2.0 i 1
```

#### 5) 4 Wireless Setting

```
snmpset -v 1 -c public 192.168.1.1 \
1.3.6.1.4.1.890.1.15.3.2.13.0 i 1 \
1.3.6.1.4.1.890.1.15.3.2.14.0 i 4000 \
\
1.3.6.1.4.1.890.1.15.4.2.1.5.1.1.0 i 1 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.2.0 s '01234567890123456789012345678912' \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.3.0 i 1111 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.4.0 i 1 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.5.0 i 2 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.6.0 i 85399 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.7.0 i 2 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.8.0 s
'01234567890123456789012345678901234567890123456789012' \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.9.0 s '1.2.3.4' \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.10.0 i 65535 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.11.0 s
'01234567890123456789012345678901234567890123456789012' \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.12.0 i 1 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.13.0 i 1 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.14.0 i 1 \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.15.0 x "3031323334" \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.16.0 x "3031323335" \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.17.0 x "3031323336" \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.18.0 x "3031323337" \
1.3.6.1.4.1.890.1.15.4.2.1.5.1.19.0 i 1 \
```

\

1.3.6.1.4.1.890.1.15.4.2.1.5.2.1.0 i 1 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.2.0 s '01234567890123456789012345678913' \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.3.0 i 1112 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.4.0 i 1 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.5.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.6.0 i 85398 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.7.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.8.0 s

'012345678901234567890123456789012345678901234567890123456789013' \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.9.0 s '1.2.3.4' \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.10.0 i 65535 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.11.0 s

'0123456789012345678901234567890123456789012345678901234567890123456789013' \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.12.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.13.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.14.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.15.0 x "30313233343536373839303133" \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.16.0 x "30313233343536373839303134" \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.17.0 x "30313233343536373839303135" \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.18.0 x "30313233343536373839303136" \

1.3.6.1.4.1.890.1.15.4.2.1.5.2.19.0 i 1 \

\

1.3.6.1.4.1.890.1.15.4.2.1.5.3.1.0 i 1 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.2.0 s '01234567890123456789012345678914' \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.3.0 i 1113 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.4.0 i 1 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.5.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.6.0 i 85398 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.7.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.8.0 s

'0123456789012345678901234567890123456789012345678901234567890123456789014' \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.9.0 s '1.2.3.4' \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.10.0 i 65535 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.11.0 s

'0123456789012345678901234567890123456789012345678901234567890123456789013' \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.12.0 i 1 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.13.0 i 2 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.14.0 i 3 \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.15.0 s "abcde" \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.16.0 s "abcdf" \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.17.0 s "abcdg" \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.18.0 s "abcdh" \

1.3.6.1.4.1.890.1.15.4.2.1.5.3.19.0 i 1 \

\

1.3.6.1.4.1.890.1.15.4.2.1.5.4.1.0 i 1 \

1.3.6.1.4.1.890.1.15.4.2.1.5.4.2.0 s '01234567890123456789012345678915' \

1.3.6.1.4.1.890.1.15.4.2.1.5.4.3.0 i 1114 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.4.0 i 1 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.5.0 i 2 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.6.0 i 85398 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.7.0 i 2 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.8.0 s  
'01234567890123456789012345678901234567890123456789015' \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.9.0 s '1.2.3.4' \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.10.0 i 65535 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.11.0 s  
'01234567890123456789012345678901234567890123456789013' \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.12.0 i 2 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.13.0 i 1 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.14.0 i 4 \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.15.0 s "abcdefghijklm" \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.16.0 s "abcdefghijkln" \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.17.0 s "abcdefghijkl" \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.18.0 s "abcdefghijklp" \  
1.3.6.1.4.1.890.1.15.4.2.1.5.4.19.0 i 1 \  
\  
1.3.6.1.4.1.890.1.15.3.2.2.0 i 1

6) LED control On

snmpset -v 1 -c public 192.168.1.1 \  
1.3.6.1.4.1.890.1.15.4.2.3.1.0 i 1 \  
1.3.6.1.4.1.890.1.15.3.2.2.0 i 1

7) LED control Off

snmpset -v 1 -c public 192.168.1.1 \  
1.3.6.1.4.1.890.1.15.4.2.3.1.0 i 2 \  
1.3.6.1.4.1.890.1.15.3.2.2.0 i 1

**Modification V1.00 (UJF.1 )C0/ June 23, 2011**

Update F/W version from V1.00(UJF.1)b2 to V1.00(UJF.1)C0

**Modification V1.00 (UJF.1 )b2/ June 20, 2011**

**2. [Feature]**

**Symptom : Update UI wording**

- 1.1) WIRELESS > Multi-ESSID: "Mutiple-ESSID" to "Multiple-ESSID".
- 1.2) WIRELESS > Multi-ESSID: "SSID" to "ESSID".
- 1.3) WIRELESS > Multi-ESSID > SECURITY WIRELESS SETTINGS > General Setting:
  - 1st ESSID to ESSID1.
  - 2nd ESSID to ESSID2.
  - 3rd ESSID to ESSID3.
  - 4th ESSID to ESSID4.
- 1.4) ADMINISTRATION > FTP: Remove Reset button.



**Modification V1.00 (UJF.1 )b1 / June 03, 2011**

**3. [Modification]**

**Symptom** : Update FTP default port from 23 to 21.

**4. [Feature]**

**Symptom** : Support WMM function per every ESSID setting.

**5. [Feature]**

**Symptom** : Support 4 Multiple ESSID setting. ESSID1, ESSID2, ESSID3, ESSID4

Default ESSID: ZyXEL1, ZyXEL2, ZyXEL3, ZyXEL4

Status: Active, Inactive, Inactive, Inactive

VLAN ID: Disable, Disable, Disable, Disable

WMM: Disable, Disable, Disable, Disable

**6. [Modification]**

**Symptom** : Support VLAN function for one Ethernet and four ESSID.

**7. [Application note]**

**Symptom** : The default WMM parameters

1.1) APSD function: disable

1.2) DLS function: disable

1.3) WMM parameter

	Aifsn	CWMin	CWMax	Txop	ACM	AckPolicy
AC_BE	3	15	1023	0	no	no
AC_BK	7	15	1023	0	no	no
AC_VI	2	7	15	94	no	no
AC_VO	2	3	7	47	no	no

**Modification V1.00 (UJF.0 )C0 / Apr. 12, 2011**

**1. [Modification]**

**Symptom** : Change version number to 1.00(UJF.0)C0

**Modification V1.00 (UJF.0) b2/ March 28, 2011**

**1. [Modification]**

**Symptom** : Remove SNMPv3 function.

**2. [Bug Fixed]**

**Symptom** : Admin has login when admin login from URL issue. When login from URL with the correct username and password but the wrong URL's format, it will show the invalid username and password. But when I enter the correct username and password again, it shows "admin has login".

**Modification V1.00 (UJF.0) b1/ March 14, 2011**

**1. [Feature]**

**Symptom** : Follow SNMP\_Private\_MIB\_for\_Hanklink\_v2.6.doc

**2. [Feature]**

**Symptom** : Support admin login from URL.

http://<device\_IP>/login.asp?username=<admin\_username>&password=<admin\_password>

**3. [Feature]**

**Symptom** : Reserve the fifth field of SNMP Table for ENC usage.

**4. [Feature]**

**Symptom** : Support TFTP/FTP function

- Web Configuration setting update
- firmware upgrade

**5. [Feature]**

**Symptom** : Support SNMP v1/v2/v3 function

**6. [Feature]**

**Symptom** : add GoAhead logo on the initial page of NWA1300-NJ GUI

**7. [Feature]**

**Symptom** : Default setting

Internet Connection:DHCP client

admin username/password:admin/1234

SNMP as Enable mode

LED Setting as Enabled mode

Wireless

BASIC/

ESSID: Wireless

Channel: 6

802.11 Mode: 802.11n+802.11g+802.11b

Channel Width: Auto 20/40 MHZ

Transmit Power: 25%

ADVANCED/

Beacon Interval: 200

RTS Threshold: 2432

Fragmentation Threshold: 2346

Preamble Type: Dynamic Preamble

SECURITY/

Security: Disable

WPA / WPA2 / WPA/WPA2/

Group Key Rekeying: 86400 (Cannot empty)

Use WPA with Pre-shared Key: Default option

Pre-shared Key: 12345678 (Cannot empty)

Server IP: 127.0.0.1 (Cannot empty)

Authentication Port: 1812 (Cannot empty)

Shared Secret Key: 12345678 (Cannot empty)

WEP/

Encryption: 64bit (Cannot empty)

Mode: HEX (Cannot empty)

WEP Key Index: 1 (Cannot empty)

WEP Key 1/2/3/4: 12345 (for 64bit and ASCII) (Cannot empty)

313233335 (for 64bit and HEX) (Cannot empty)

1234567890123 (for 128bit and ASCII) (Cannot empty)

31323334353637383930313233 (for 128bit and HEX) (Cannot empty)

WEP Constraint :

Acceptable Char	length	range
SSID	ASCII	1~32 bytes
WPA/WPA2 PSK	ASCII	8~63 bytes
System name	ASCII	0~255 bytes
Server IP	ip address	7~15 bytes
Shared Secret Key	ASCII	8~63 bytes
Authentication Port	digit	1~65535
Group Key Rekeying	Digit	1~86400
WEP key 64bit ASCII	ASCII	5 bytes
WEP Key 64bit HEX	Digit	5 bytes
WEP key 128bit ASCII	ASCII	13 bytes
WEP key 128bit HEx	Digit	13 bytes

## 8. [Application Notes]

**Symptom** : Send all Traps (standard traps, devicetrap and wlantrap) to all the trapable IP in the SNMP Table.

## 9. [Application Notes]

**Symptom** : SNMP Table 5th field is reserved for the ENC usage.

Before learning the ENC ip, defaults

Community Name as "public"

IP as "ANY"

Privileges as "All"

Status as "Valid"

## 10. [Application Notes]

**Symptom** : There are some ways to update the ENC IP.

- Static IP > setup the ENC IP.
- DHCP IP > DHCP Option 224 carries the ENC IP.
- By OID ENCSrvIPAddr <1.3.6.1.4.1.890.1.15.3.7.1.0> to setup the ENC IP.  
for example,  
the ENC IP:192.168.1.1  
the NWA1300-NJ IP:192.168.1.32  
snmpset -v 1 -c public 192.168.1.32 1.3.6.1.4.1.890.1.15.3.7.1.0 s  
"192.168.1.1"  
snmpget -v 1 -c public 192.168.1.32 1.3.6.1.4.1.890.1.15.3.7.1.0
- After learning the ENC IP, trigger to send the device trap to the ENC IP.
- Even though there are the ENC IP in the Static IP  
or DHCP option 224 carries the ENC IP, currently we allow to setup a new  
ENC IP by snmp set OID <1.3.6.1.4.1.890.1.15.3.7.1.0> and trigger to send the  
device trap to the new ENC IP.

## 11. [Application Notes]

**Symptom** : DHCP Option

Option: 224 (0xE0)

Length: 4

Value: 4 bytes IP Address

## **12. [Application Notes]**

**Symptom :** FTP Daemon Setting

- Allow only one connection in the same time.
- Login username/password as the admin username/password.
- If the upload file is firmware or configuration file, system will automatically upgrade it.
- If the upload file is not firmware or configuration file, system will delete it.