MANUAL DE USUARIO

GEPON ONU HG326E

Chapter1: Overview

1.1 Product Description

HG326E terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. These boxes are based on the mature Gigabit EPON technology, which have high ratio of performance to price, and the technology of 802.11n WiFi (2T2R), Layer 2/3, and high quality VoIP as well. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And they are fully compliant with technical regulations such as IEEE802.3ah and technical requirement of EPON Equipment (V2.1 and above version) from China Telecom.

Figure 1 HG326E

1.2 Application Chart

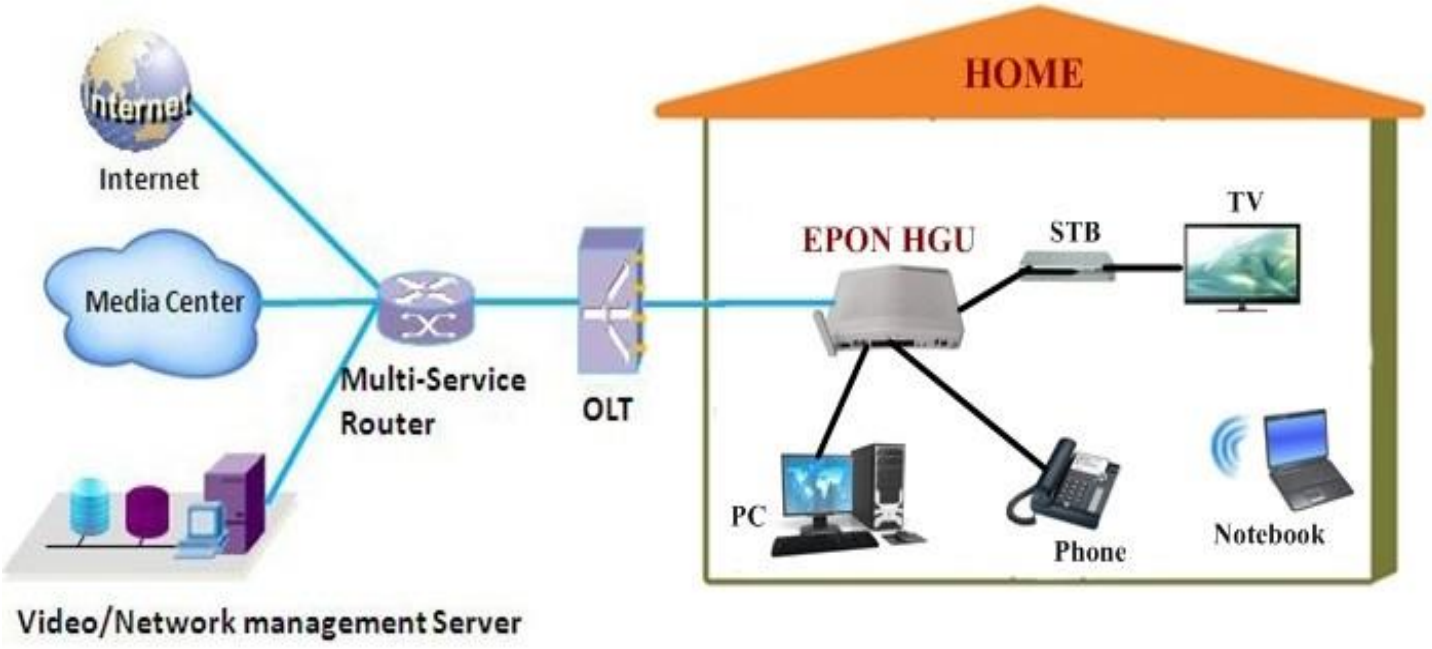


Figure 2 Application Chart

1.3 Technical parameters

Technical item	HG326E
PON interface	1EPON connector,SC single-mode/single-fibre, symmetric 1.25Gbps
Wavelength	Tx1310nm,Rx 1490nm
Optical interface	SC connector
Interface	4x 10/100Mbps auto adaptive Ethernet interfaces. 10/100M Full /Half Duplex, RJ45 connectors. 2x POTS,RJ11 connectors
Wireless	Compliant with IEEE802.11b/g/n, 300Mbps, 2T2R one internal antenna and one external antenna
LED	13, For Status of POWER、PON 、LOS、WAN、WIFI、POTS、FE、Pair、USB.
Operating condition	-5℃～55℃，10%～90%（non-condensed）
Storing condition	-30℃～60℃，10%～90%（non-condensed）
Power supply	DC 12V,1/1.5A
Power consumption	⩽10W
Dimension	185mm×135mm×45mm（L×W×H）
Net weight	0.34Kg

Table 1 Technical parameters

Chapter2: Installation

2.1 Installation Requirements

Installation Environment Requirements

HGU equipment must be installed in the interior, and to ensure the following conditions:

- Confirmation at the HGU installation at sufficient space to facilitate cooling machine.
- HGU suitable working temperature of -5 ℃ ~ 55 ℃, humidity 10% to 90%.
- Device workplace should avoid radio transmitters, radar stations, and high-frequency interference from power equipment.

Equipment Installation

1. Installed on the desktop

Place the machine on a clean bench, this installation is relatively simple, you can observe the following operation:

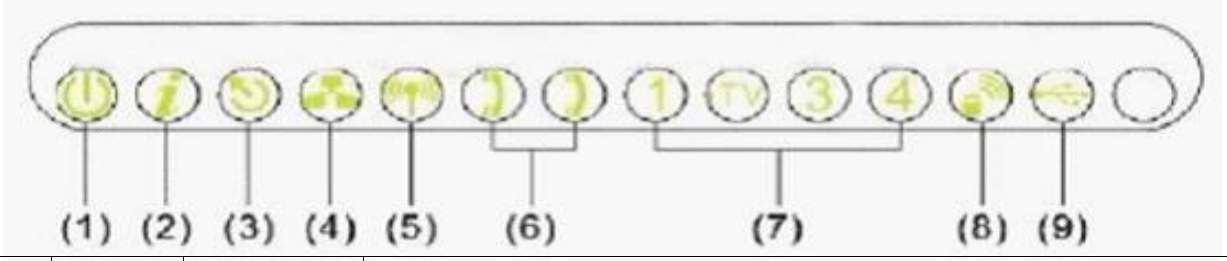
- Ensure the smooth workbench.
- Around the device enough space for heat dissipation.

2. Mounted on the wall

- Observation HGU equipment chassis two cruciform recess, in accordance with the position of the groove, installed two screws in the wall.
- The original selected two mounting screws gently snap into recesses aligned.
- Slowly let go, so that the device under the support of the screw hanging on the wall.

2.2 Panel

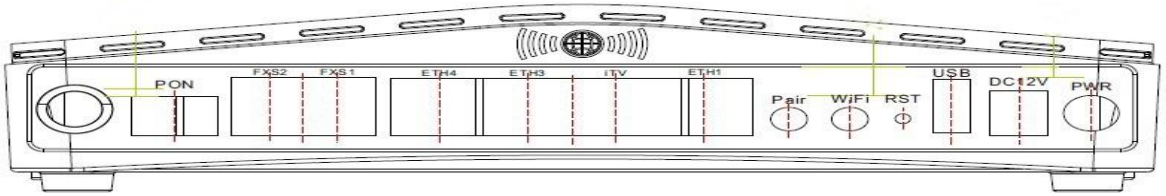
Figure 3 Panel lights



LED	Mark	Status	Description
Power(1)	PWR	ON	The device is powered up.
		OFF	The device is powered down.
Optical signal (2)	LOS	Blink	Device does not receive optical signals.
		OFF	Device has received optical signal.
Registration(3)	PON	ON	The device is registered to the EPON system.
		OFF	Device is not registered to the EPON system.
		Blink	Device is registering.
WAN(4)	WAN	ON	WAN is effective.
		OFF	WAN is ineffective.
Wireless (5)	WIFi	ON	WiFi turn on
		OFF	Device is power off or WiFi turn off
		Blink	WiFi turn on and with ongoing data transmission
Pots(6)	FXS1 FXS2	ON	Device has registered to the soft-switch, but without ongoing data transmission
		OFF	Device is power off or not registered to the soft-switch
		Blink	The port is with ongoing data transmission
Ethernet (7)	ETH1 iTV ETH3 ETH4	ON	Port is connected properly.
		Off	Port connection exception or not connected.
		Blink	Port is sending or/and receiving data.
Pair(8)	Pair	ON	WPS client is connecting
		OFF	Does not use WPS or WPS client is connected(LED turn off after 5 minutes of successful connection)
USB(9)	USB	ON	USB device is connected, but without ongoing data transmission
		OFF	Device is power off or USB device is not connected
		Blink	USB is with ongoing data transmission

Table 2 Panel lights

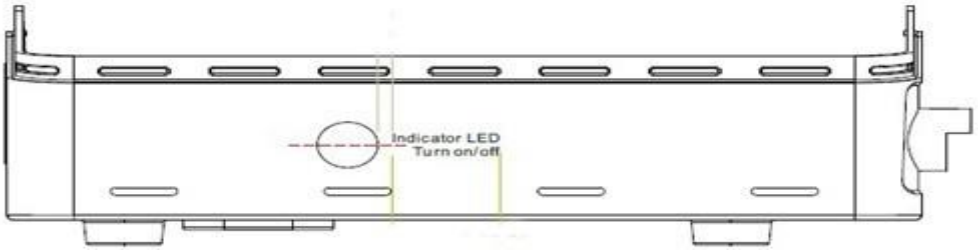
Figure 4 Back panel



Port Type	Function
PON port	Connect PON port with internet by SC type, single mode optical fiber cable
FXS port	Connect the telephone with FXS port by telephone wire. If you only have one telephone, you should use FXS1 port.
Ethernet port	Connect PC with EPON HGU Ethernet port by RJ-45 Cat5 cable.
WiFi pair button (wireless pair)	Press down WiFi pair button and keep 0.1-3 seconds for WPS function
WiFi turn on/off (WiFi)	Press down WiFi turn on/off and keep 3 seconds to enable/disable WiFi
Reset button (Reset)	Press down reset button and keep 1-5 seconds to make the device restart and recover from the factory default Settings.
USB port	External USB port, can connect to USB storage device.
Power port (DC12 V)	Connect with power adapter
Power turn on/off	Power turn on/off

Table 3 Back panel

Figure 5 Side panel



Port Type	Function
Indicator LED turn on/off	Press down to turn LED on, Pop up to turn LED off.

Table 4 Side panel

2.4 Equipment List

Contents	Quantity	Contents	Quantity
HGU	1 pcs	Power adapter	1 pcs
User manual	1 pcs	QC card	1 pcs
Network cable	1 pcs	-	

Table 5 Equipment List

Chapter3: Web Management

HG326E provides simple Web management functions, including modifying WAN, LAN, WiFI, Router or Bridge Mode,Voip,Firmware upgrades and other functions.

3.1 Default configuration

The following is the default device configuration information.

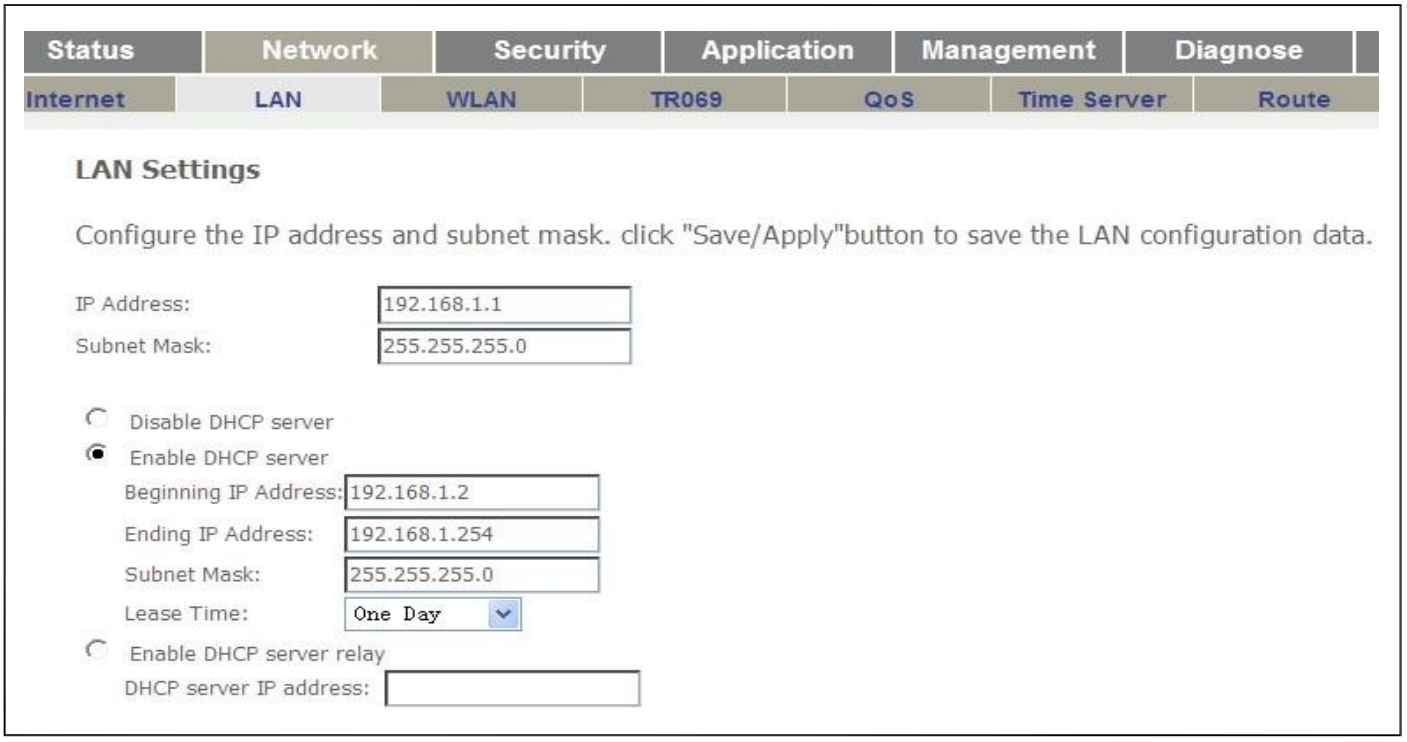
- Local (LAN access) Username: admin , Password: admin
- LAN port management IP address: 192.168.1.1/24

3.2 Basic Configuration

Figure 6 Web Login

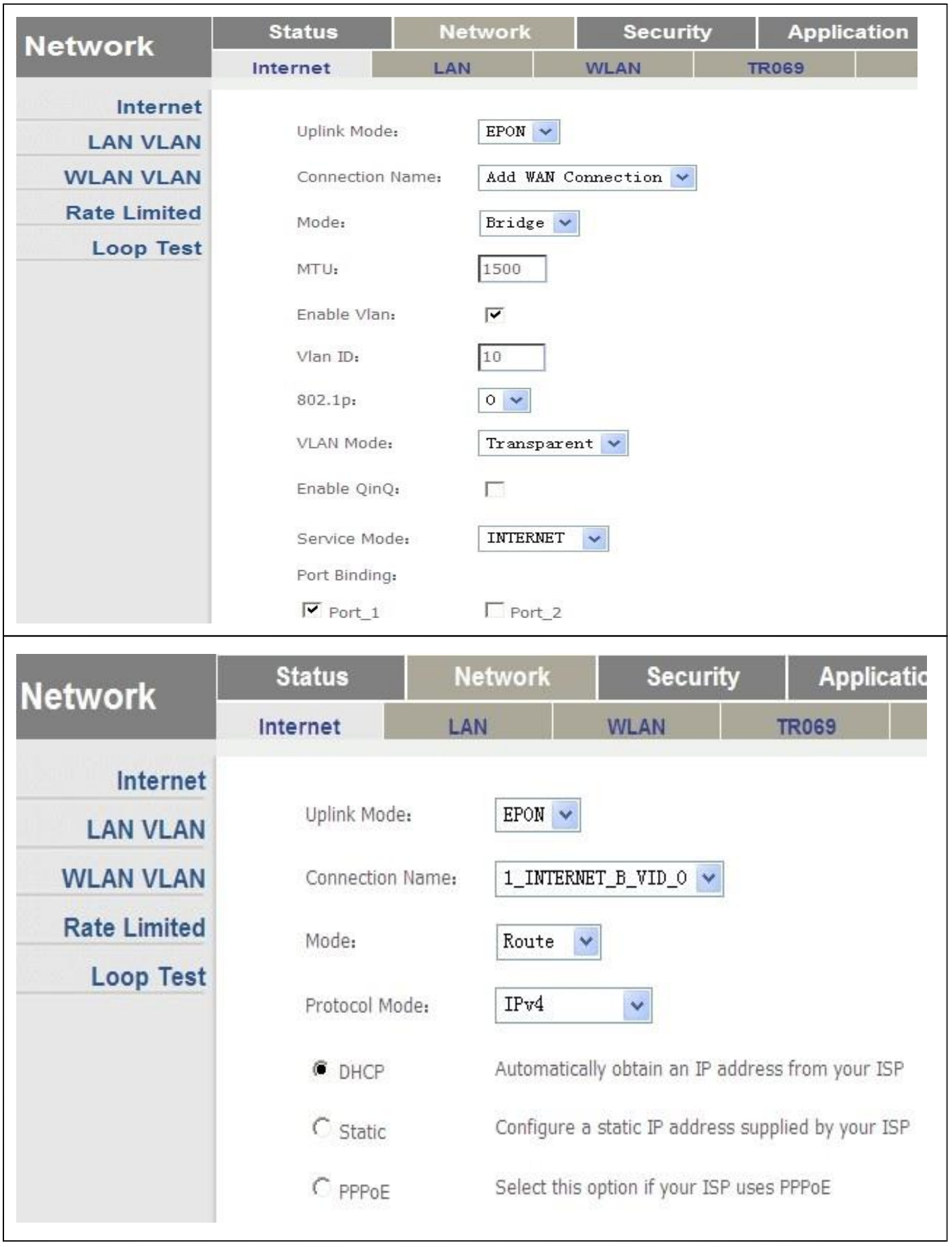
Web login default username: admin password: admin

Figure 7 LAN settings



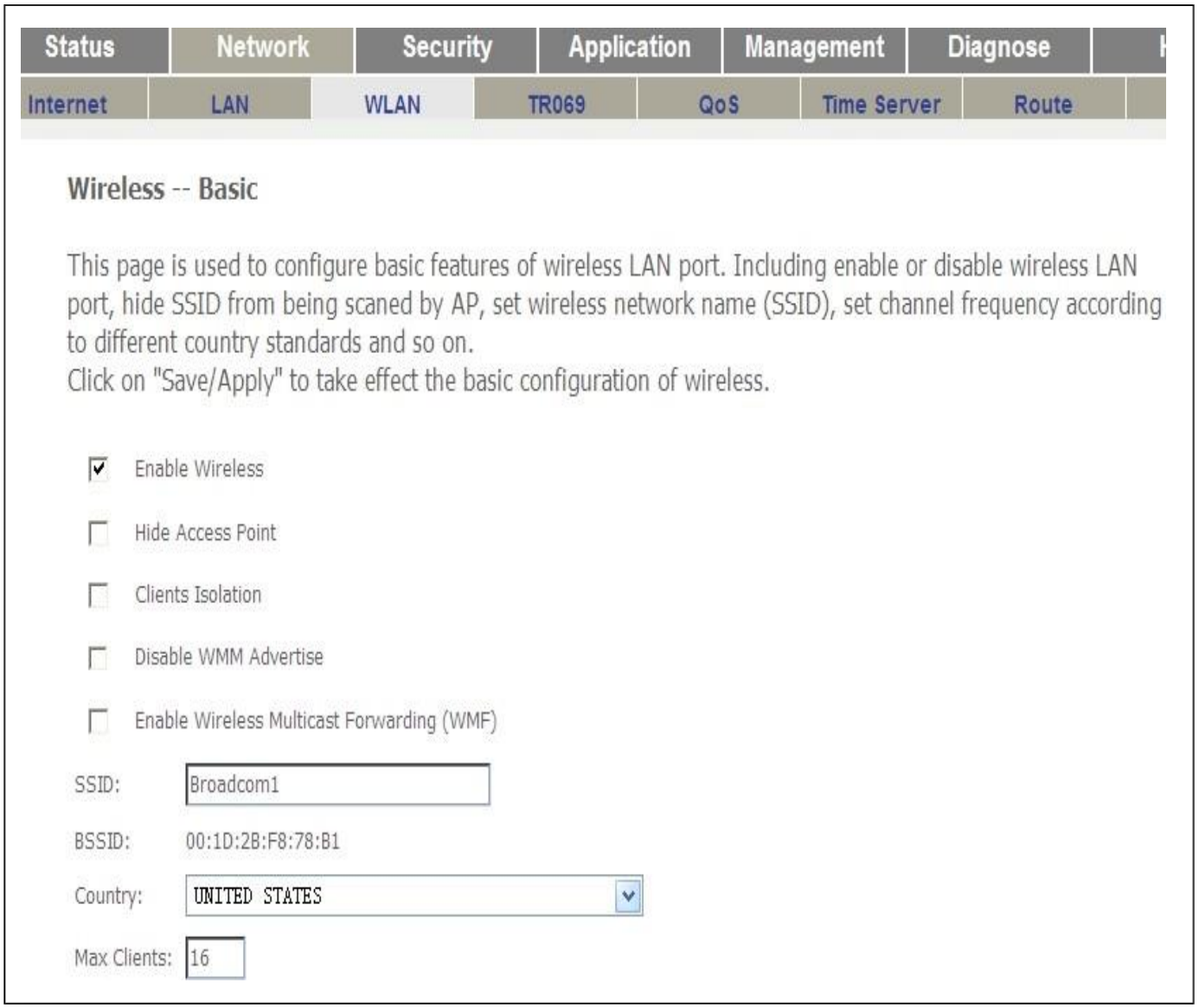
IP Address and Subnet Mask:LAN port IP address and mask.
DHCP option: Enable or disable DHCP server and DHCP server relay.
Note: DHCP server changes take effect after the device is restarted.

Figure 8 WAN Connection



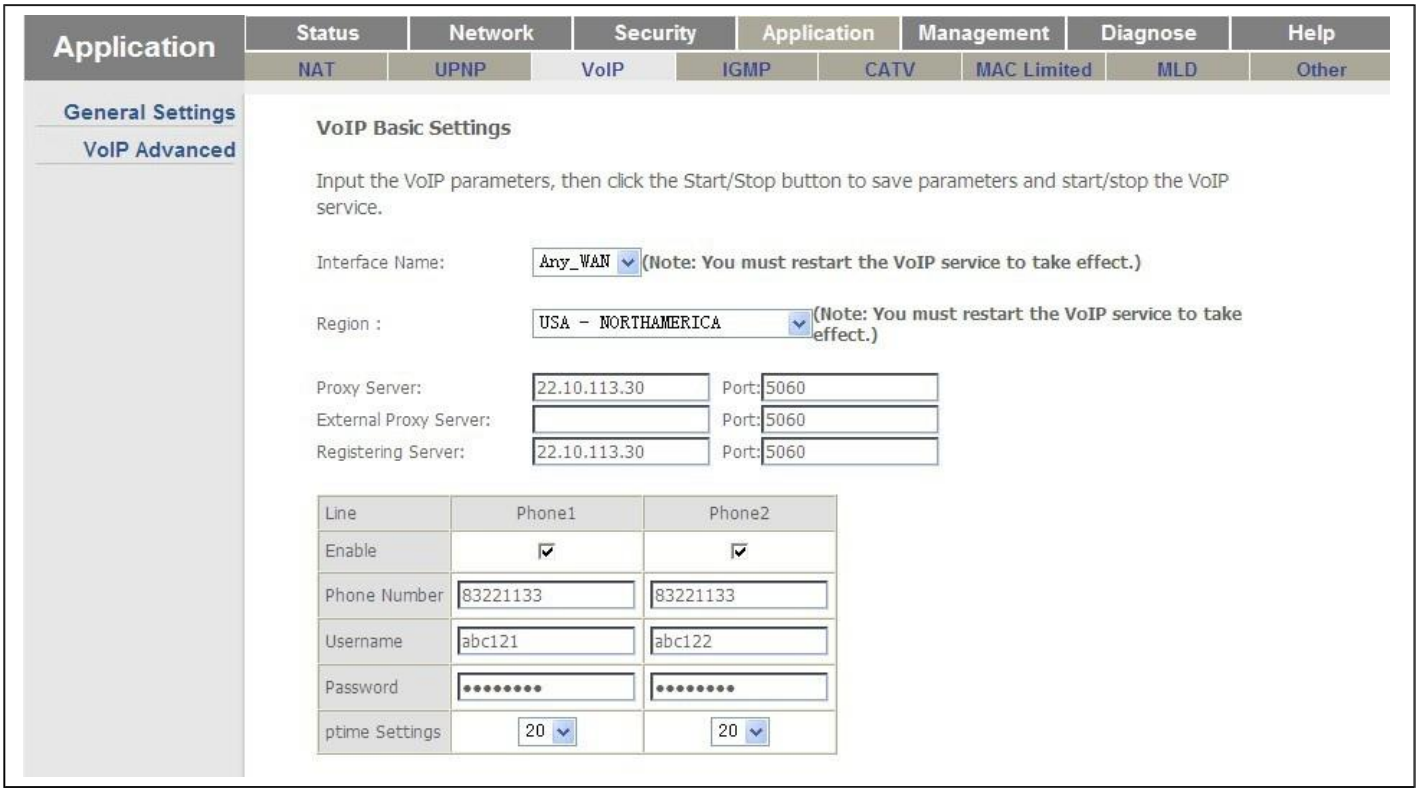
Network->Internet Menu.By modifying these parameters can add a WAN connection.
Mode: WAN connection mode, Bridge or Route.
Enable Vlan: unchecked means disabled.
802.1p: VLAN priority, 0~7.
Vlan ID: 1~4094
VLAN Mode: Tag or transparent. Tag means upstreams will be added a VLAN tag, while transparent will not.
Enable QinQ: if checked, there will be double VLANs in upstreams.
Service Mode: What service the WAN used for.
Port Binding: Bind LAN port and SSID to WAN connection.
Protocol Mode: Configuring a route WAN should specify protocol mode and an IP address, etc. Choose one method to get an IP address among DHCP, static and PPPoE.

Figure 9 WLAN settings



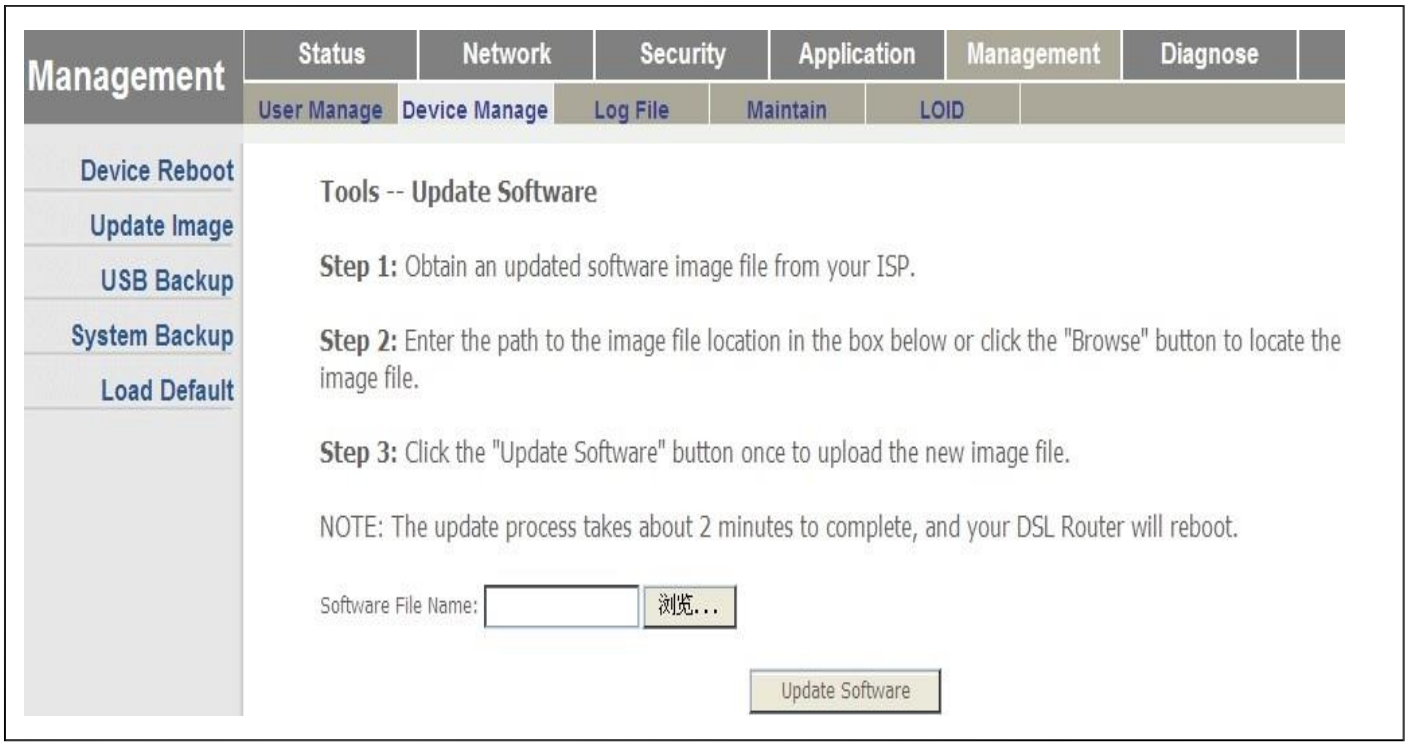
WLAN Basic Menu displays the current configuration information. Modify these parameters to change WiFi basic features.

Figure 10 VoIP Basic



VoIP Basic Settings: The configuration of the SIP general parameters. Including registering server address, proxy server address, phone number, username.

Figure 11 Update Software



Update image menu is used to update software. Enter the path of the image file in the box and click Update Software botton, then it will be reboot.