AP121U

802.11n AP/Router

Features:

- **High Speed Data Rates**

  Providing faster data rates of up to 150Mbps and is compatible with legacy 802.11b/g equipment

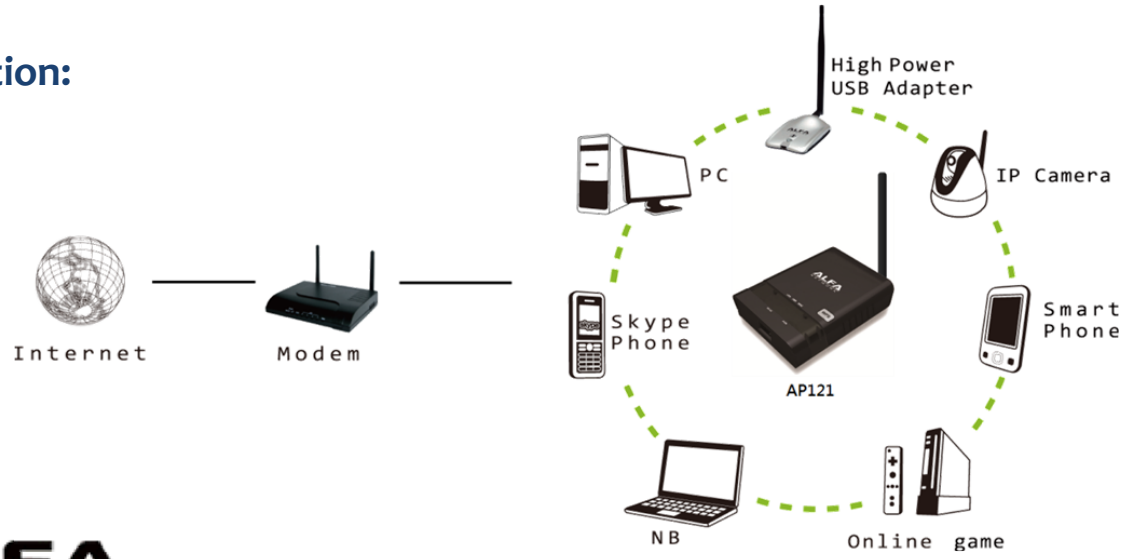
- **Advanced Robust Security**

  Firewall with SPI to protect the internal host from hacker attacks. Wireless security is comprehensive and included WPA/WPA2 PSK

- **Feature Rich**

  WDS, Dual SSIDs, Static Routing, QoS and more

Application:



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Your Source of Hardware

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AP121U

802.11n AP/Router

Specification

Standard	IEEE 802.11b/g/n		Operation Mode	Router Bridge Wireless ISP
Antenna	5dBi detachable antenna		Frequency Band	2.400GHz ~ 2.484GHz
Security	64/128bit WEP WPA(TKIP with IEEE 802.1x) WPA2(AES with IEEE 802.1x) WPA Mixed		Data Rate	802.11n (40MHz): up to 150Mbps 802.11n (20MHz): up to 72Mbps 802.11g: 54,48,36,24,18,12,9,6Mbps 802.11b: 11,5.5,2,1Mbps
Sensitivity	802.11b 11Mbps: -90 802.11g 54Mbps: -75 802.11n (20MHz) MCS7 : -71		Tx Power	802.11b: 20dBm± 2 802.11g: 20dBm ± 2 802.11n: 20dBm ± 2
Interface	RP-SMA antennas connector x 1 RJ-45 WAN port x 1 RJ-45 LAN ports x 1 USB Port x 1		Power requirement	DC Jack: 12V DC PoE: 12V Passive PoE
Operation Temperature	-20˚C ~ 60˚C		Storage Humidity	10% ~ 90% (Non-condensing)
Dimension	93 x 70 x 26 mm		Weight	74g

Physical Description:

Front View

Back View

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Declaration:
This device have no Ad Hoc Mode.

System Requirements

⓪⓪Broadband Internet Access Service (DSL/Cable/Ethernet)
⓪⓪One DSL/Cable Modem that has an RJ45 connector (which is not necessary if the Router is connected directly to the Ethernet.)
⓪⓪PCs with a working Ethernet Adapter and an Ethernet cable with RJ45 connectors
⓪⓪TCP/IP protocol on each PC
⓪⓪Web browser, such as Microsoft Internet Explorer, Mozilla Firefox or Apple Safari

Installation Environment Requirements

Place the Router in a well ventilated place far from any heater or heating vent
Avoid direct irradiation of any strong light (such as sunlight)
Keep at least 2 inches (5 cm) of clear space around the Router

Connecting the Router

Before installing the Router, make sure your PC is connected to the Internet through the broadband service successfully. If there is any problem, please contact your ISP. After that, please install the Router according to the following steps. Don't forget to pull out the power plug and keep your hands dry.

1. Power off your PC, Cable/DSL Modem, and the Router.
2. Locate an optimum location for the Router. The best place is usually at the center of your wireless network.
3. Adjust the direction of the antenna. Normally, upright is a good direction.
4. Connect the PC(s) and each Switch/Hub in your LAN to the LAN Ports on the Router. (If you have the wireless NIC and want to use the wireless function, you can skip this step.)
5. Connect the DSL/Cable Modem to the WAN port on the Router.
6. Connect the power adapter to the power socket on the Router, and the other end into an electrical outlet. Press the power switch, and then the router will start to work.
7. Power on your PC and Cable/DSL Modem.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

INDUSTRY CANADA CONFORMITY
This device has been tested and found to comply with the limits specified in RSS-210.
Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.
This Class [B] digital apparatus complies with Canadian ICES-003.

DECLARATION DE CONFORMITE D'INDUSTRIE CANADA
Ce périphérique a été testé et reconnu conforme aux limites spécifiées dans RSS-210.
Son utilisation est soumise aux deux conditions suivantes : (1) il ne doit pas provoquer d'interférences gênantes et (2) il doit tolérer les interférences reçues, notamment celles susceptibles d'en perturber le fonctionnement.
Cet appareil numérique de classe [B] est conforme à la norme canadienne ICES-003.