



AP  
2421  
HW-V

## N300 Wireless 4G/LTE VoIP Gateway

- 4G LTE – Support up to 150Mbps downlink and 50Mbps uplink speed.
- Supported mobile network type – FDD-LTE, TDD-LTE, WCDMA, TD-SCDMA
- Supported connection types in normal Wi-Fi Router Mode – Supports PPPoE, Dynamic IP, Static IP, Cable Internet Access
- 300Mbps Wi-Fi – Easily share wireless to users with low latency



## OVERVIEW

AirPro AP2421HW-Vx4G/LTE WirelessVoIP Gateway use the latest 4G LTE technology, you can achieve downlink speeds of up to 150 Mbps and uplink speeds of up to 50 Mbps. Simply insert an USIM card into this device and get Internet access anywhere you can receive LTE,3G data signal.AP2432HW-VX also has two external antennas for a connection that is consistent and reliable.300Mbps Wi-Fi speed makes lag free connection for notebooks and smart phones. Integrated with 2 FXS ports for VoIP is one of the most important features.

## KEY FEATURES

- 4G LTE – Support up to 150Mbps downlink and 50Mbps uplink speed
- Supported mobile network type –FDD-LTE, TDD-LTE, WCDMA,TD-SCDMA
- Supported connection types in normal Wi-Fi Router Mode –Supports PPPoE, Dynamic IP, Static IPCable Internet Access
- 300Mbps Wi-Fi – Easily share wireless to users with low latency
- MIMO Tech – Two external antennas to deliver the best wireless signal, fully expand coverage
- Wireless Security– Supports 64/128-bit WEP, WPA/WPA2 andWPA-PSK/WPA2-PSK encryption
- WPS – Wireless security encryption easily at the push of the WPS button
- VOIP function –2 FXS ports helps users save phone bills by making phone calls over the Internet
- 4-Port Switch – Extend the LAN to more devices and further distance
- IPv6 – Support next generation network
- TR-069–Manage settings and updates remotely from any end equipment
- Guest Network– Create a completely separate Wi-Fi network for your guests' devices, ensuring they do not have access to your home network or to the shared USB hard drive with all your personal data
- Parental Control – Allows parents or administrators to establish restricted access policies for children or staff
- Simple set up with GUI – friendly GUI makes installation easier and faster

## PRODUCT SPECIFICATIONS

Basic	
Operation Mode	LTE Router, Normal Wireless Router, VoIP Gateway
Mobile Network Type	FDD-LTE cat4(800/900/1800/2100/2600MHz); TDD-LTE cat4(1900/2350/2500/2600MHz); WCDMA (900/1900/2100MHz); TD-SCDMA (1900/2100MHz)
Rate	Upstream/Downlink: 50Mbps/150Mbps

Wireless	
Wireless Standard	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Wireless Speed	11n speed up to 300Mbps
Wireless Frequency Range	2.4GHz-2.4835GHz
Transmit Power	<20dBm(EIRP)
Wireless Security	64/128-bit WEP/WPA-PSK/WPA2-PSK/TKIP/AES
Wireless Features	Guest Network, Wireless Bridge, MAC Filter

## PRODUCT SPECIFICATIONS

Software	
VPN Support	IPSec /PPTP /L2TPPass-through, IPSec VPN
Security Support	PAP/CHAP Authentication for PPP mode NAT forFirewall, SPI Firewall with DoS protection ALG for NAT/PAT support Parental control, IP Filtering and MAC Filtering 2 Level (User/Admin) Authentication to Router
Management Support	Web Based GUI, Remote Access Control, TR-069 FTP/HTTP ,Telnet, Command Line Interface via serial interface Diagnostic Test, Firmware upgrade-able

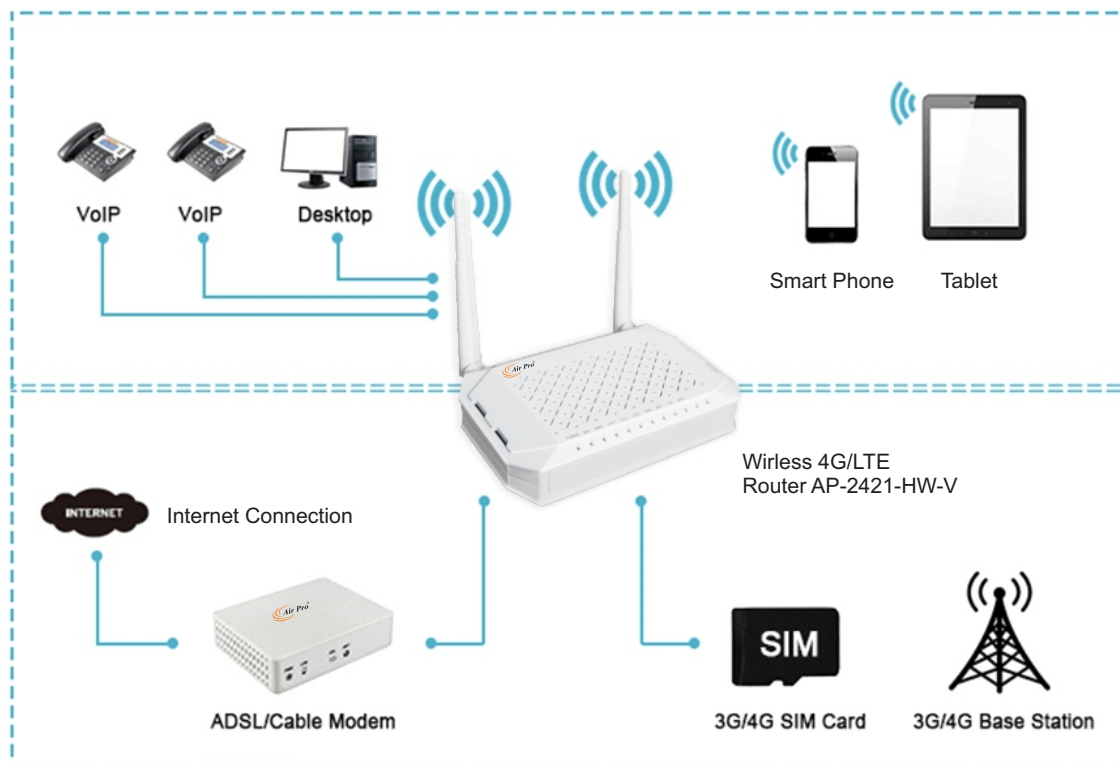
Hardware	
Physical Interface	1 xUSIM port 4 x 10/100MbpsAuto MDI/MDIX RJ45 LAN port 2 x FXS Port , 1 x Power interface
LED Indicators	Power, BAT, LAN4/3/2/1, WLAN, WPS, FXS1, FXS2, LTE
Buttons	ON/OFF, Wi-Fi, WPS, RESET
Antenna	2 External 3dBI antennas
Power	Input: 100-240V AC,50Hz Output: 12VDC/1.5A; 12VDC/1A(for the device without built-in battery)
Built-in Battery	3000mAh, working time up to 3 hours, 6 hours stand-by (the device can also be customized without battery)
Processor	BCM63381
Memory	16MB Flash, 64MB RAM
Maximum Connected Users	16

Other	
Operation System	Windows 7,8,XP, VISTA/Macintosh/Linux
Environment	Operating Temperature:-10°C~55°C(14~131℉) Storage Temperature: -30°C~60°C(-22~140℉) Operating Humidity: 5%~95% non-condensing Storage Humidity: 5%~90% non-condensing
Dimension	7.09*4.53*1.02 in (180*115*26mm)
Weight	180g
Package Content	1 x AP2421HW-VX, 1 x RJ45 Cable, 1 x Power Adapter, 1 x Quick Installation Guide

## SUPPORT BANDS

4G	FDD-LTE	BAND 1 : 2100MHz Range: UL 1920~1980MHz; DL 2110~2170MHz BAND 3 : 1800MHz Range: UL 1710~1785MHz; DL 1805~1880MHz BAND 7 : 2600MHz Range: UL 2500~2570MHz; DL 2620~2690MHz BAND 8 : 900MHz Range: UL880~915MHz; DL925~960MHz BAND 20 : 800MHz Range: UL832~862MHz; DL 791~821MHz	Uplink Speed	50Mbps
	TDD-LTE	BAND 38 : 2600MHz Range:2570~2620MHz BAND 39 : 1900MHz Range:1880~1920MHz BAND 40 : 2350MHz Range:2300~2400MHz BAND 41 : 2500MHz Range:2496~2690MHz	Downlink Speed	150Mbps
3G	WCDMA	BAND 1: 2100MHzUL1920~1980 MHz; DL 2110~2170 MHz BAND 2: 1900MHzUL 1850~1910MHz; DL 1930~1990MHz BAND 8: 900MHz UL 880~915MHz; DL 925~960MHz	Uplink Speed	5.76Mbps
	TD-SCDMA	BAND 34: 2010~2025MHz BAND 39: 1880~1920MHz	Downlink Speed	21.6Mbps

## DIAGRAM



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