J-TECH Technology Co., Ltd

WiFi Phone With AP/Router

Model Nr : ATS-4200

Enjoy the Benefits of VoIP, Wirelessly!

The J-TECH T2Free ATS-4200 VoIP Wi-Fi phone with a smart AP/router and battery charger stand , it fully compatible with IEEE 802.11b/g wireless standard, is a perfect solution for Voice over IP applications. You don't need buy an extra external AP/Router to help you saving cost and give you a smart environment. It allows users to make or receive phone calls from its own AP/Router Charger stand , The ATS4200AP Wireless AP/Router. is a portable and convenient wireless solution for the office ,house and traveling businessperson delivering 802.11b/g wireless connectivity with a maximum wireless signal rate of up to 54Mbps1. Use it in conference rooms, office ,hotel rooms, or even at hotspots. as long as they are in the coverage of IEEE 802.11b/g wireless Access Points. By using the J-TECH T2Free ATS-4200, users no longer have to pay expensive communication fees ,extra AP and can enjoy the convenience of wireless mobility. The brand new application is developed to support open standard SIP (Session Initiation Protocol), which interoperates with major SIP-based call servers, IP-PBXs and various VoIP client devices. It is not only an ideal alternative for ITSPs (IP Telephony Service Providers) to deploy their VoIP services; it can also be the wireless handset, which is applied in corporate IP-PBX centric VoIP environment. The J-TECH T2Free ATS-4200 is very easy to use and configure. It allows users to configure with LCD screen menu or web browser. Meanwhile, with the smart auto-provisioning mechanism, ITSPs can easily deploy and manage the VoIP services. Easy-to-use and convenient, the J-TECH ATS-4200 delivers high quality voice functionality in a cost-effective way.

Benefits

Open Standard SIP v2 Support

The call control protocol of the J-TECH T2Free   ATS-4200 is based on SIP v2 (Session Initiation Protocol version 2, RFC 3261) open standard, which is interoperable with major SIP-based call servers, IP-PBXs, and other standard SIP-based client devices.

Web : www.j-technology.com.tw

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Mobility with IEEE 802.11b Wireless Standard Compliance

The J-TECH T2Free ATS-4200 is compliant with the IEEE 802.11b standard and interoperates with any existing 802.11b or 802.11g wireless AP and gateway. It may be used as a cordless handset for residential users or for business users in an office environment. The small form factor of the handset is easy to transport and allows users to place VoIP phone calls in public 802.11-based hot spots.

High Voice Quality with Low Communication Costs

The J-TECH T2Free ATS-4200 is capable of tagging features that support a service provider's QoS (Quality of Service) planning, such as ToS (Type of Service). It allows gateways or central side equipment to identify and prioritize voice and data traffic. By supporting G.711 and G.729 voice compression technology, the J-TECH T2Free ATS-4200 effectively reduces bandwidth consumption caused by voice traffic.

Enhanced Power Saving Design for Extended Standby and Talk Time

With an improved power-saving design, the J-TECH T2Free ATS-4200 can be used for a relatively long period of standby and talk time. With an extended life for each recharge cycle, the J-TECH T2Free ATS-4200 is available where and when you need it.

Direct IP-to-IP Call and Ad-hoc Intercom Mode Support

By configuring a remote IP address in the built-in phone book, the J-TECH T2Free ATS-4200 provides a direct IP-to-IP call feature when there is no intermediate SIP proxy server available in the network. The J-TECH T2Free ATS-4200 can also establish an 802.11 ad-hoc network (computer-to-computer network without Access Point), which allows users to use the handsets as wireless intercoms.

Features :

- 10 name/number directory records

- Calls log: (10 missed calls, 10 incoming calls, 10 outgoing calls).

- Redial

- 5 ringing volume levels selection

- 5 ringing melodies selection

- Hold, flash and any key auto-answer Call Hold ,Call Waiting ,Call Transfer ,Call Forwarding , Call Mute

- Key Beep setting Portable best for travelers or home/office PC user

- 100 User phone book , call record & missing call record

- One ear-microphone Jack(option).

- Voice mail system with SMS function.(option)

Wireless

- IEEE 802.11b support

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- Frequency band: 2.400 ~ 2.497 GHz

- Channel: FCC Ch1~11, ETSI Ch1~13, Japan Ch1~14

- Data Rate: 11 / 5.5 / 2 / 1 Mbps

- Output Power: 14 + 1dBm

- Sensitivity: -82 dBm@11Mbps

- Operating range: Out-door up to 300m, In-door up to 75m

- 64/128 bit WEP encryption

- Site Survey: Scan available APs in hand set's environment, with 5 pages AP site SSID memory system.

- Support infrastructure (public) mode and Ad-hoc mode (option)

Voice

- SIP (RFC 3261) version 2

- SDP (RFC2327)

- RTP (RFC1889)

- RTCP (RFC1890)

- CODEC: G711, G.729a

- DTMF detection and relay

- G.168 echo cancellation

- Silence Suppression

- Voice Activity Detection (VAD)

- Comfort Noise Generation (CNG)

- QoS support TOS

- Support out-bond proxy and STUN for NAT Traversal

- Built-in Phone book

- Direct IP-to-IP call

- Standby time up to 72 hours, talking time up to 3.5 hours

Network

- IP address assignment: Fixed IP, DHCP client, PPPoE

- HTTP, TFTP, TCP, UDP, DNS, ARP, ICMP

Management

- LCD screen displayed menu and keypad settings

- Built-in Web Configurator

- Support auto-provisioning

General Product Specification :

- Display : LCD 112x64 graphic mode, w/backlight

- Battery : 3.6V, 1350mAhr Lithium

- Power output: 14.5dbm

- Transmitter: 300mA

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- Average Idle current : 40mA

- Key board : 0 – 9 " ＊ " " ＃ " and 9 function key.

- Dim.: 48.2 x 24.3 x 115.5 mm (L x D x H)

- Weight : 110 gm w/o battery

- AC adapter : AC 100 to 240 volts 50/60 Hz. output voltage : 6.5 V 450mA.

- Operation Temperature : 0 to 40 ℃

- Operation Humidity : 20 % to 85 %

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ATS4200AP AP/Router Specifications :

Features

- Complies with 802.11g and 802.11b (2.4GHz) Standards
- Support ATS4200 WiFi phone charger
- Speed Booster technology increases wireless perfor- mance by up to 35%
- Supports universal bridging
- Compact travel size router with built-in antenna and power adapter
- Supports Secure Easy Setup

The ATS4200AP Wireless AP/Router. is a portable and convenient wireless solution for the office ,house and traveling businessperson delivering 802.11b/g wireless connectivity with a maximum wireless signal rate of up to 54Mbps1. Use it in conference rooms, office ,hotel rooms, or even at hotspots.

The AP/Router might be small in size, but is huge in functionality. The ATS4200 AP supports multiple operation modes including: Access Point (AP) mode to create a wireless connection; Router mode to share an Internet connection; and Wireless Client mode to connect an existing wireless network. Easily switch between these modes by using the 3-way configuration switch located on the bottom of the unit.

In AP mode, the ATS4200AP can be used to create a wireless network in a room where a single Ethernet port is provided. Now multiple wireless clients can connect to the network at the same time to share resources and files.

In Router mode, the ATS4200AP can be used to share a single broadband Internet connection, such as in a office room. The internal DHCP server automatically assigns IP addresses to ensure everyone in the room can connect to the Internet. In addition, the ATS4200AP supports VPN Pass-through and firewall features including Network Address Translation (NAT) and MAC filtering to protect your wireless network from malicious attacks.

When set in Wireless Client mode, the ATS4200AP allows a laptop to connet to an existing wireless network, without having to install complicated drivers or additional software. For added mobility, the ATS4200AP can be powered over USB if power outlets are not available.

The AP/Router supports WPA-PSK to secure your wireless data communications. In AP mode, the ATS4200AP adds support for 802.1x user authentication with an external RADIUS server. For setup and configuration the ATS4200AP can be accessed via T2Free's user-friendly Web-based utility.

The ATS4200 also support ATS4200 WiFi Phone Charger you don't need any extra stand.

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Access Point Specifications 802.11b/g 54Mbps	
Network Standards	IEEE802.11g, IEEE802.11b
Data Rates Supported	802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps
Operating Frequency Range	2.400 ~ 2.4835 GHz
Modulation Technique	802.11g: OFDM(64-QAM, 16-QAM, QPSK, BPSK) 802.11b: DSSS(DBPSK, DQPSK, CCK)
Wired Network Interface Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX
Media Access Porotocol	CSMA/CA
Transmit Output Power	Up to 20dBm
Receive Sensitivity	802.11g: -87dBm@6Mbps, -86dBm@9Mbps, -85dBm@12Mbps, -83dBm@18Mbps, -81dBm@24Mbps, -78dBm@36Mbps, -71dBm@48Mbps, -70dBm@54Mbps 802.11b: -93dBm@1Mbps, -91dBm@2Mbps, -88dBm@5.5Mbps, -86dBm@11Mbps
Security / Management and Special Features	IEEE802.11b/g Access Point & Client-bridge mode supported WPA, WPA2.0 ・with Radius Server or Pre-Shared Key ・Unicast Encryption: AES and/or TKIP 802.1x Authentication 64,128 bit WEP Encryption MAC Address Filtering/Limiting Packet Filtering (NetBIOS/NetBEUI Filtering, DHCP Filtering) NAT Port Forwarding DHCP Client/Server WDS(Wireless Distribution System) Supported SNMPv1/v2 (MIB-II, ieee802dot11) Web-based Configuration Upgrade through HTTP Event Log (WEB Interface)
Input Power Supply	5V / 1.5~2A PoE(Power over Ethernet) 802.3af
Typical Power Consumption	Max. 5W