

## 1 VoIP Port Wireless ADSL2+ Modem

### 1 FXS | 1 FXO | 1 Ethernet | 802.11b/g

- 1 Line (FXO) PSTN, 1 Telephones (FXS) Port
- PSTN Life-line Support
- 54 Mbps 802.11g Wireless
- Air Touch: Simple setup button to securely connect
- Internal antenna
- ADSL2+ (24Mbps / 4 Mbps)
- 1 Ethernet
- CPE WAN Management Protocol (TR-069, TR-098, TR-111\*, TR-104)
- CPE LAN Management Protocol (TR-064\*)
- No PC required for VoIP calls
- Reliable Audio Quality (QoS)
- Call Features (CLIP/CLIR, Call Waiting, 3-way Conferencing)
- Universal Plug & Play (UPnP IGD)
- VPN pass-through (PPTP, L2TP, GRE, IPSec)
- AutoMesh\* Technology
- Advanced security with Statefull Packet Inspection
- Firewall and DoS protection
- Multi-language WebUI (English and Turkish)
- ADSL Usage Monitor
- Robust against wide voltage fluctuations
- AirTies Easy Setup CD (with animated instructions)
- Auto Firmware Update
- 3 years warranty
- 24x7 technical support

### Start enjoying discounted calls!

#### ADSL2+ VoIP Gateway, 1 Line (FXO), 1 Telephone (FXS), 1-Port Ethernet, Wireless Access Point, Router, Firewall

Air 6221 is an all-in-one solution that can fulfill all your voice and data needs. You can use it to access the Internet over your ADSL line, to set up your local wireless network and to make phone calls over the Internet using a VoIP service provider.

**Remote Management:** Auto-provisioning of LAN, WAN and VoIP setting via CWMP (TR-069, TR-098, TR-111\* and TR-104) support. Also supports, Web Remote Management, Telnet and legacy provisioning (FTP/TFTP/SFTP/HTTP)

**Multi-language WebUI:** WebUI supports dual-language (English and Turkish)

**Use your regular phone:** No need for a computer, headset or a microphone

**No special codes or prefixes:** Dial the same way as you always do!

**High sound quality:** No dropped calls, no delay, no echo | Initiate VoIP phone calls and access the Internet at the same time

**VLAN support:** Supports setting virtual LANs using Ethernet and Wireless Enjoy wireless Internet at 54Mbps

#### Expand your wireless coverage area with AirTies

**Mesh Technology:** Automatically set and sustain wireless links between APs and automatically extend your range.

**AirTies Easy installation and administration:** insert the installation CD and follow the animated on-screen instructions

**ADSL Usage Monitor** shows total download and upload amounts on a monthly basis.

\*will be available with firmware upgrade soon.



## Specifications

### Main Features

- Modem: ADSL2+ gateway (24Mbps download/ 4Mbps upload) optimized for your local ADSL service provider
- Router: DHCP server, DDNS, NAT, NAPT, Static router, VPN pass-through, 802.1Q VLAN
- Firewall: Advanced Anti-DoS SPI Firewall;URL, IP and MAC address based filtering,
- Wireless communication at 54Mbps 802.11g; 54Mbps speed wireless Access point backward compatible with 11 Mbps 802.11b.
- AirTies Mesh Technology: Possibility to expand the wireless coverage area with AirTies products.
- Wireless security: WPA, WPA2-AES, 64/128 bit WEP, 802.1x standards
- Air Touch\*: Simple setup button to securely connect WPS supported devices.
- VLAN support: Virtual LANs can be setup using Ethernet and wireless.
- IP QoS support (ToS / Diffser): 4 service class definition
- Easy setup and management: Universal Plug and Play (UPnP), AirTies Easy Setup CD (for both ADSL and VoIP; with animated instructions), user-friendly
- Utility Program and User Manual
- Easy Update: Firmware (software) upgrades via the Advanced Settings Web interface.
- Remote Management: TR-069, TR-098, TR-104, TR-111\*, TR-064\* Web, Telnet
- Multi-language WebUI support: English and Turkish
- 24x7 technical support by highly trained AirTies support team and backed up by the AirTies R&D team
- 3 years extended warranty

### VoIP Features

- Life-line Support: Automatic switch over to FXO-line (PSTN backup) during power or ADSL connection loss or when SIP server is unreachable
- Call Features: Caller ID (CLIP), Calling Line Identification Restriction (CLIR), Call Waiting\*, 3-way conferencing\*
- SIP (RFC 3261/3264)
- RTP (RFC 3550)
- G711, G.729AB codec support
- Automatic prioritization of audio packets and high audio quality
- Call History
- Incoming Call divert options
- Echo cancellation
- Dial plan Options
- PSTN perception and transfer to SIP
- DTMF Relay: RFC2833 ve SIP INFO support
- G.711 fax pass-through
- T.38 IP fax protocol support
- PSTN Fax support – T.30
- Different dial and confirmation-tones when making VoIP calls

### Technical Properties

- **ADSL Properties:** G.992.1 Annex A & ANSI T1.413 Issue2 (G.DMT), G.992.2 (G.Lite), G.992.3 ADSL2 (G.dmt.bis), G992.4 (G.Lite.bis), G.992.5 (ADSL2+), RADSL (Rate Adaptive DSL), READSL,SIP (RFC 3261/3264)
- **Connection Protocols:** PPPoE, PPPoA, RFC1483 Encapsulation (IP Bridging, ve encapsulated routing), RFC2364 PPP over AAL5, classical IP over RFC1577 ATM, ATM QoS, OAM (I.610), RFC2366 multicast over ATM.
- **Frequency interval:** ETSI 2400 MHz(min)- 2483.5 MHz(max) (13 channels with 3 not overlapping)
- **Antenna power:** 20 dBm EIRP
- **Wireless security specifications:** WPA (802.1x, TKIP, PSK) ; WPA2 (AES); 64/128 bit WEP, wireless MAC address filtering, SSID hiding
- **LEDs:** POWER, ADSL (ADSL aktivite), NET, WIFI, ETH , VOIP, LINE
- **Ports:** 1 ADSL (RJ-11), 1 Ethernet (RJ45), Power, 1 FXO (PSTN backup, RJ-11),1 FXS (telephone device or PBX, RJ-11)
- **Reset button** to return to factory settings for ADSL or voip
- **SETUP (AirTouch)** button for simple setup and secure connection with WPS supported wireless devices
- **On/Off** button.
- **UPnP** : Universal Plug & Play Internet Gateway Device
- **Router and Firewall:** Anti-DoS SPI firewall; URL, IP and MAC address filtering; Port forwarding; DMZ; VPN pass through (PPTP, L2TP, IPsec); Static and dynamic (RIPv1/v2) routing; DNS Proxy; DHCP server and client; NAT/NAPT; User Authentication (PAP/CHAP/MSCHAP) with PPP; up to 1024 NAT sessions, 802.1d (self-learnig transparent bridging), CoS (802.1P), 802.1Q VLAN
- Compatible with Windows 98, ME, 2000, 2003, XP, Vista, Linux, MAC OS
- **Class 2 device**
- **Certificates and Standarts:** CE

### Physical Characteristics

- **Dimensions:** 210mm x 160mm x 36mm
- **Weight:** 369 gr
- **Power:** 15V DC, 1.25 A
- **Adapter operating voltage:** 100V ile 240V AC arası
- **Operating Temperature:** 0°C ~ 40°C
- **Storage Temperature:** -40°C ~ 70°C
- **Operating Humidity:** %10 ~ %90

### Minimum System Requirements

- ADSL service on your phone line must be activated and working properly,
- For wired use: a computer with an Ethernet adapter that supports the TCP/IP
- For wireless use: 802.11b or 802.11g wireless adapter or computer with wireless capabilities,
- For the webUI Access and setup: Any versions of Linux or Mac operating systems,
- For the AirTies Utility Program: 32-bit Windows 98 / ME / 2000 / 2003/XP or Vista operating systems,
- The device does not need to be connected to a PC during normal operation.

\* will be available firmware upgrade soon.

