TAG1002G TELEPHONE ADAPTER

HIGH PERFORMANCE ANALOG TELEPHONE ADAPTER WITH INTEGRATED ROUTER

Well-Suited For Commercial Voip Deployments. Field-Proven Voice And Fax Technology And A Feature- Rich Design Make These Telephone Adapters An Excellent Choice For Voice Over Broadband (Voip) Service Providers And Operators.

TAG1002G Telephone Adapter

- **RESIDENTIAL AND SOHO TELEPHONY VOIP GATEWAY FOR VOICE OVER BROADBAND (VOIP) NETWORKS**

- **UP TO 2 FXS PORTS or 1 FXS 1 FXO CONNECTING TO POTS PHONES OR FAX MACHINES**

- **PROVIDES TOLL QUALITY VOICE COMPRESSION**

- **ROBUST FAX HANDLING WITH SUPPORT FOR T.38**

- **INTEGRATED ROUTER INCLUDING FIREWALL, NAT AND SMART TRAFFIC PRIORITIZATION**

- **SUPPORTS A RICH SET OF SUBSCRIBER CALLING FEATURES**

- **EASY INTEGRATION INTO EXISTING VOIP NETWORKS**

- **BROAD INTEROPERABILITY LIST OF SOFTSWITCHES AND SIP SERVERS**

TAG1002G (ATA) is a well-designed high-speed and high performance 2FXS or 1 FXS.1FXO VoIP Analog terminal adapter, which supports kinds of network protocols,such as IP-routing, bridging, PPP, NAT/PAT, and network management features such as SNMP MIB v2, CLI, Web, etc.

TAG1002G (ATA) provides high-performance voice over IP(VoIP) solution including IP-routing services for small enterprise,and other public offices as well as Internet game room and Internet based cyber apartment. It steady runs, and is compatible with various Standard VoIP system.Moreover, TAG1002G (ATA) maintains best voice quality under not only high bandwidth traffic but also low bandwidth traffic using the latest voice compression algorithm and enhanced QoS management features .In addition, TAG1002G (ATA) VoIP Gateway can be used in various network environments such as leased line, ADSL, and Cable Modem networking with fixed IP and dynamic IP environments.

KEY BENEFITS

Designed for Residential and SOHO IP Telephony

The TAG1002G (ATA) is designed for the rapidly growing residential and Small Office/Home Office (SOHO) VoIP market. The TAG1002G (ATA) typically connects to an existing Broadband Internet device (PON,cable, DSL modem or fixed wireless), and establishes a communications path with the service provider network via its IP Uplink connection. Supporting a rich set of subscriber calling features such as caller ID, call forwarding, and call waiting, the TAG1002G maintains a uniform user experience when migrating to VoIP services. In addition, the TAG1002G Gserves as a router, supporting connectivity of home PC Networks.

Benefit from Extensive Experience

Utilizing Telesail VOIP core architecture, and gaining from its accumulated experience in providing IP telephony solutions, the TAG1002G (ATA) combines superior voice quality and cutting-edge features for end users, such as T.38 Fax Relay and G.168-2004 compliant Echo Cancellation. Low bit rate vocoders (voice coders) can be used simultaneously on all the telephony ports to save valuable bandwidth.

Specification

Physical

- Interface

  Telephone Interfaces

  2 RJ-11 FXS port options or

  1 RJ-11 FXS,1 RJ11 FXO

  WAN/LAN:

  RJ-45 - 10/100 Base-T x2

- Dimensions

  30mm H x110mm W x 110mm D

- Weight

  0.18kg

Power and Environmental

- Power adapter:

  Input: 110V ~220V AC

  Output:12V DC, 1A

- Operating humidity: 10~90%

- Operating temperature: -5°C~ 50°C

Telephone Feature

- Supplementary Features

  Call Waiting, Call Hold, Call Transfer,

  Call Forward,Local and Network 3-Way

  conferencing, Hot Line

- Voice Coders

  G.711,G.723,G.726,G.729a/B

- Echo Cancellation

  G.168 compliant,64 msec tail length

- Fax Support

  T.38 G3(Group 3) FAX Relay

  FAX Bypass(G.711) Mode Support

- Silence Suppression

  VAD, CNG

- Adaptive Jitter Buffer

  300 msec

- Packetization

  RTP/RTCP Packetization – RFC 3550, 3551

Protocol Support

- VoIP Signaling Support

  SIP – RFC 3261

  SIP over Transport Layer Security(TLS)

- Data Protocols and Features

  IPv4, TCP, UDP, ICMP, ARP, RTP, RTCP

  PPPoE – RFC 2516, PPTP, L2TP

  DNS, Dynamic DNS, Stun

  IEEE 802.1p/q (QoS & VLAN Tagging)

  ToS/Diffserv

  Layer 2 switching

- WAN to LAN Layer 3 routing with:

  DHCP Client/Server – RFC 2132

  RIP V1/V2 and static routing

  NAT – RFC3022, Application Layer

  Gateway (ALG)

  Voice over Data prioritization

  QOS traffic shaping

  SPI Firewall

  URL filtering

  Advance Access Control

  Password protected Web pages (MD5)

  UPNP

  IPSec

  DMZ

Maintenance

- Web Server for Configuration and

  Management Software

- Configuration upgrade from HTTP/

  HTTPS/TFTP/FTP

- Integrated SNMP agent

  CLI over Telnet

- Syslog support for debug and diagnostics

Order Information

TAG1002G VOIP Gateway

TAG1002G-S	VoIP Telephone Adapter including 2 FXS lines, 1 WAN port, 1 LAN port,Power adaptor: 110V AC/220V AC to 12V DC, 1A
TAG1002G-O	VoIP Telephone Adapter including 1 FXS lines, 1FXO lines1 WAN port, 1 LAN port, Power adaptor: 110V AC/220V AC to 12V DC, 1A

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About Telesail Technology Co., Ltd

Telesail Technology is professional in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless,transmission solutions to operators in both emerging and established telecommunications markets around the world. Telesail enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks.

For more information about Telesail, visit the company's Web site at http://www.telesail.com.