TS1000-1S/2S Analog Telephone Adapter

Overview

TS1000-1S/2S is a multi-functional analog telephone adapter which offers seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. The device provides 1 or 2 FXS port(s), fax over IP and a built-in high-speed NAT router. These powerful features and good voice quality make the device ideal for various application environments such as SOHO and small enterprises and for personal use. Moreover, with automatic provisioning and centralized management system, the device is easy for maintenance and deployment.

Pictures

TS1000 - 1S

TS1000 - 2S

Key Features

- Cost-effective ATA with 1 or 2 FXS port(s)
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U,G.723.1,G.729A/B, G.726
- Fully compatible with leading IMS/NGN, SIP-based IP telephony system

The Gateway to VoIP World

Physical Interfaces

- Capacity:

  DAG1000-1S: 1* FXS, RJ11

  DAG1000-2S: 2* FXS, RJ11

- Ethernet Interfaces:

  1* WAN, 10/100Mbps, RJ-45

  1* LAN, 10/100Mbps, RJ-45

Voice & FAX

- G.711A/U law, G.723.1, G.729A/B, G.726
- Silence Suppression
- Comfort Noise Generation(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation(G.168), with up to 128ms
- Adaptive (Dynamic) Jitter Buffer
- Hook Flash
- Programmable Gain Control
- T.38/Pass-through
- Modem/POS
- DTMF modes: SIP Info/RFC2833/Inband
- VLAN 802.1P/802.1Q (voice/data/management VLANs)
- Layer3 QoS and DiffServ

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE/IPv4/IPv6
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation

FXS

- Connector: RJ11
- Reversed Polarity
- Max Cable Length: 3Km
- Pulse: 10 and 20 PPS
- Dial Mode: DTMF and Pulse
- Caller ID: DTMF/FSK CLI Presentation
- Programmable Call Progress Tone

Supplement Service

- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Forward on Busy
- Call Forward on No Reply
- Unconditional Call Forward
- Warm/Immediately Hotline
- Call Hold
- Do-not-disturb
- 3-Way Conference
- Message Waiting Indicator
- Speed Dial

Environmental

- **Power Supply:**

  100-240VAC, 50-60 Hz@DC12V 1A

- Power Consumption: <5W
- Operating Temperature: 0 ℃ ~45 ℃
- Storage Temperature: -20 ℃ ~80 ℃
- Humidity: 10%-90% Non-Condensing
- Dimensions(W/D/H): 126*76*25mm
- Unit Weight: <=0.2kg

VoIP

- **Protocol:** SIP v2.0 (UDP/TCP), RFC3261,SDP(RFC2327),RTP(RFC2833), RFC3262, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311 ETC (3GPP TS24.629), RFC3891, RFC3892
- RTP/RTCP, RFC2198, RFC1889
- SIP TLS/SRTP
- RFC4028 Session Timer
- RFC3266 IPv6 in SDP
- RFC2806 TEL URI
- RFC3581 NAT, rport
- Primary/Backup SIP Server
- Outbound Proxy
- DNS SRV/ A Query/NATPR Query
- Early Media/Early Answer
- NAT:STUN, Static/Dynamic NAT

Maintenance

- SNMP v1/v2/v3
- TR069, TR181
- Auto Provisioning
- Web/Telnet
- Configuration Backup/Restore
- Firmware Upgrade via Web
- CDR
- Syslog(Emerg,alert, critical,error warning,notice,info, debug)
- Ping/Tracert Test
- Network Capture
- Outward Test(GR909)
- NTP/Daylight Saving Time
- IVR local Maintenance
- Cloud-based Management